GENSOL DIAGNOSTICS
www.gensoldx.com

Micah Halpern, PhD
Principal Scientist

Mary Simonson
Laboratory Manager

CERTIFICATE OF RESULTS FOR SAMPLE ID #: 522610

OWNER'S NAME: ROBERT MAST
PET'S NAME*: CH KID'S LISTEN LINDA
PET'S REGISTRATION #: AKC#DN71293002 MICROCHIP#900255001552580
PET'S BREED: MINIATURE AMERICAN SHEPHERD
DATE TESTED: 2/10/2026

TEST	RESULT**	TEST RESULT EXPLANATION***
NEUROAXONAL DYSTROPHY SHEPHERD TYPE (NAD-SHEP)	A	(CLEAR/NORMAL): These dogs have two copies of the normal gene and will neither develop Neuroaxonal Dystrophy nor pass this mutation to their offspring.

*GenSol warrants its test results to be accurate for the sample obtained from the above pet. In the event of a valid claim, owner's sole remedy is a refund of the fee paid. IN NO EVENT SHALL GENSOL BE LIABLE FOR INDIRECT, CONSEQUENTIAL OR INCIDENTAL DAMAGES OF ANY KIND. Any claim must be asserted within one year of the report of test results.

**All samples submitted to GenSol become the property of GenSol and may be used for internal quality control and/or research purposes. Test results provide information concerning a pet's DNA sequence and are not an indication or guarantee of pet's disease state or condition. Test results alone should not be used to diagnosis, treat or prevent disease.

***For detailed result explanation visit www.gensoldx.com. Please consult a licensed veterinarian to discuss the implications.

125 North Main Street Unit 1846, Clayton, GA 30525
1-844-369-3686 - info@Gensoldx.com - www.gensoldx.com

FAST - ACCURATE - AFFORDABLE

AKC DNA PROGRAM
powered by NEOGEN Genomics

Customer & Pet Information

Registered Name	Kidd's Listen Linda	Registration #	DN71293002
Breed	Miniature American Shepherd	Tattoo	-
Sex	Female	Microchip	
DOB	Mar 25, 2022	Lab Sample ID	54829935
		AKC Sample ID	40011684
		Report Date	Oct 2, 2025

Explanation of Results

Normal	A 'Normal' result means that your dog does not have the mutation that causes the associated genetic disease.
Carrier	A 'Carrier' result indicates that your dog has inherited one copy of the mutation that has been reported to cause this genetic disease. Your dog may not be clinically affected by this mutation because two copies of the mutation are usually required to cause disease.
Carrier / At-Risk	A 'Carrier / At–Risk' result indicates that your dog inherited one copy of the mutation that has been reported to cause this genetic disease. Based on the mode of genetic inheritance for this particular disease, inheriting one mutant copy of the gene may result in the disease. Dogs with one copy of the mutation may have a milder phenotype as compared to dogs with two copies of this mutation.
At-Risk / Affected	An 'At–Risk / Affected' result indicates that your dog inherited one or two copies of the mutation that has been reported to cause this genetic disease. Based on the mode of genetic inheritance for this particular disease, inheriting one or two mutant copies of the gene may result in the disease.
No Result	'No Result' indicates that we were unable to obtain a genotype for your dog for this specific disease or trait and does not mean that your dog is a carrier or at-risk for this disease. There are a variety of reasons why a specific test may not provide a reportable result. Unique variations in the genetic code of some individuals may exist and cause certain regions of the genome to not perform properly with a specific test. In addition, suboptimal sampling of the dog's cheek cells could also result in poor sample performance due to inadequate cell counts, bacterial and fungal growth, or the presence of other test inhibitors. Dogs with at least 90% of the test results are determined to be acceptable and reportable. If your dog has an unacceptable level of tests with no results, you will be contacted for a new sample to repeat the testing.

Please review our testing terms and disclaimers regarding your results.

WT: wild type (normal) M: mutant Y: Y chromosome (male)

Breed Profile

Disease Name	Genotype	Interpretation
Chondrodystrophy with Intervertebral Disc Disease Risk Factor (CDDY with IVDD)	WT/WT	Normal (Clear) - No CDDY or Increased IVDD Risk
Collie Eye Anomaly	WT/WT	Normal (Clear)
Degenerative Myelopathy (Common Variant)	WT/WT	Normal (Clear)
Hereditary Ataxia (Australian Shepherd Type)	WT/WT	Normal (Clear)
Hyperuricosuria	WT/WT	Normal (Clear)
Multidrug Resistance 1	WT/WT	Normal (Clear)
Multifocal Retinopathy 1	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration	WT/WT	Normal (Clear)

WT: wild type (normal) M: mutant Y: Y chromosome (male)

Coat Colors & Traits

Trait Name	Genotype	Interpretation
A Locus (Agouti)	a^t/a^t	Black and tan
A^s Locus (Saddle Tan)	N/N	No saddle tan/creeping tan
B Locus (Brown)	B/b	Black coat, nose and foot pads (carries one copy of brown)
B Locus (Brown) - b^a	0	
B Locus (Brown) - b^c	1	
B Locus (Brown) - b^d	0	
B Locus (Brown) - b^h	0	
B Locus (Brown) - b^e	0	
B Locus (Brown) - b^s	0	
Brachycephaly	BR/BR	Likely medium to long muzzle
Chondrodysplasia (CDPA)	cd/cd	No Leg Shortening Associated with CDPA
Co Locus (Cocoa, French Bulldog Type)	CO/CO	Black coat, nose and foot pads (does not carry cocoa)
Cu Locus (Curly Hair)	Cu/Cu	Straight coat
D Locus (Dilute)	D/D	Non-dilute (does not carry dilute)
D Locus (Dilute) - d^1	0	
D Locus (Dilute) - d^2	0	
D Locus (Dilute) - d^3	0	

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

KIDD'S LISTEN LINDA,CH
registered name

MINIATURE AMERICAN SHEPHERD
breed

1040368
film/test/lab #

900255001552580
tattoo/microchip/DNA profile

2677253
application number

03/27/2026
date of report

DN71293002
registration no.

F
sex

03/25/2022
date of birth

48
age at evaluation in months

A Not-For-Profit Organization

MAS-EYE2786/48F-VPI
O.F.A. NUMBER

This number issued with the right to correct or revoke by the Orthopedic Foundation for Animals.

RESULTS:

Based upon the exam dated 03/26/2026, this animal has been found to be free of observable inherited eye disease and has been issued an Eye Certification Registry Number which is valid for one year from the time of the exam.

NORMAL

owner
ROBERT MAST
243 DUSTY LN
CAMPBELL HILL IL 62916

OFA eCert

Verify QR scan

G.G. KELLER, DVM, MS, DACVR
CHIEF OF VETERINARY SERVICES

www.ofa.org

This electronic OFA certificate was generated on: 03/27/2026

This certification can be verified on the OFA website by entering the animal's registration number into the orange search box located at the top of the page or by scanning the QR code above.

If there are any errors on this certificate, please email CORRECTIONS@OFA.ORG to request a correction.

Orthopedic Foundation for Animals, Inc.
2300 E. Nifong Blvd.
Columbia, MO 65201-3806

OFA website: www.ofa.org
E-mail address: ofa@ofa.org
Phone number: 573-442-0418
Fax number: 573-875-5073

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

KIDD'S LISTEN LINDA,CH
registered name

DN71293002
registration no.

MINIATURE AMERICAN SHEPHERD
breed

F
sex

film/test/lab #

03/25/2022
date of birth

900255001552580
tattoo/microchip/DNA profile

44
age at evaluation in months

2677253
application number

A Not-For-Profit Organization

12/22/2025
date of report

MAS-6478G44F-C-VPI
O.F.A. NUMBER

This number issued with the right to correct or revoke by the Orthopedic Foundation for Animals.

RESULTS:

No radiographic evidence of hip dysplasia is present. The consensus evaluation is: GOOD

owner
ROBERT MAST
243 DUSTY LN
CAMPBELL HILL IL 62916

OFA eCert

Verify QR scan

G.G. KELLER, DVM, MS, DACVR
CHIEF OF VETERINARY SERVICES

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Phone number: 573-442-0418
Fax number: 573-875-5073

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

KIDD'S LISTEN LINDA,CH
registered name

MINIATURE AMERICAN SHEPHERD
breed

film/test/lab #

900255001552580
tattoo/microchip/DNA profile

2677253
application number

12/22/2025
date of report

DN71293002
registration no.

F
sex

03/25/2022
date of birth

44
age at evaluation in months

A Not-For-Profit Organization

MAS-EL4228F44-C-VPI
O.F.A. NUMBER

This number issued with the right to correct or revoke by the Orthopedic Foundation for Animals.

RESULTS:

The elbows are normal. No radiographic evidence of elbow dysplasia is present.

NORMAL

owner
ROBERT MAST
243 DUSTY LN
CAMPBELL HILL IL 62916

OFA eCert

Verify QR scan

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