

---

## Product Data Sheet

---

Product Name: ARSA Mouse, Active

Cat. No.: GP21413

Batch No.: 1

**Product Data**

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Arylsulfatase A; Arsa; As-2; AS-A; As2; ASA; AW212749; TISP73.		
Amino Acid Sequence	ADPSPPNILL IFADDLGYGD LGSYGHPSST TPNLDQLAEG GLRFTDFYVP VSLCTPSRAA LLTGRLPVRSGMYPGVLGPS SQGGLPLEEVTLAEVLAARG YLTGMAGKWH LGVGPEGAF L PPHQGFHRFL GIPYSHDQGP CQNLTCFPPD IPCKGGCDQG LVPIPLLANL TVEAQPWLPGLEARYVSFS RDLMADAQRQ GRPFFLYYAS HHTHYPQFSG QSFTKRSGRG PFGDSLME LD GAVGALMTTV GDLGLLEETL VIFTADNGPELMRMSNGGCSG LLRCGKGTT FEGGVREPAL VYWPGHITPG VTHELASSLD LLPTLAALTG APLPNVTLDG VDISPLLLGT GKSPRKS VFFYPYPDEIHG VFAVRNGKYK AHFFTQGS AH SDTTSDPACH AANRLTAHEP P LLYDLSQDP GENYNVLESI EGV SPEALQA LKHIQLLKAQYDAAMTFGPS QIAKGEDPAL QICCP SCTP HPVCCHCPGS QSHHHHHH.		
Formulation	ARSA protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

**Introduction**

Arylsulfatase A (ARSA) hydrolyzes cerebroside sulfate to cerebroside and sulfate. ARSA is inhibited by phosphate. The phosphate develops a covalent bond with the active site 3-oxoalanine. ARSA gene defects cause metachromatic leucodystrophy (MLD), a progressive demyelination disease which results in various neurological symptoms and ultimately death.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

## Product Data Sheet

---

HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

ARSA Mouse Recombinant produced in Sf9 is a single, glycosylated polypeptide chain containing 498 amino acids (18-506) and having a molecular mass of 53.2kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa). ARSA Mouse is fused to an 9 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

**Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com**

**Address: 10292 Central Ave. #205, Montclair, CA, USA**