
Product Data Sheet

Product Name: ARSA Mouse
 Cat. No.: GP21412
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9,Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ArylsulfataseA; ASA; Cerebroside-sulfatase.		
Amino Acid Sequence	ADPSPPNILL IFADDLGYGDLGSYGHPSSST TPNLDQLAEG GLRFTDFYVP VSLCTPSRAA LLTGRLPVRS GMYPGVLGPS SQGGLPLEEVTLAEVLAARG YLTGMAGKWH LGVGPEGAFLL PPHQGFHRFL GIPYSHDQGP CQNLTCFPPD IPCKGGCDQGLVPIPLLNL TVEAQPPWLP GLEARYVSFS RDLMADAQRQ GRPFFLYYAS HHTHY PQFSG QSFTKRSGRGPFGDSLME LD GAVGALMTTV GDLGLLEETL VIFTADNGPE LMRMSNGGCS GLLRCGKGTT FEGGVREPALVYWPGHITPG VTHELASSLD LLPTLAALTG APLPNVTLDG VDISPLLLGT GKSPRKS VFF YPPYPDEIHGVFAVRNGKYK AHFFTQGSAH SDTTSDPACH AANRLTAHEP PLYDLSQDP GENYNVLESI EGV SPEALQALKHIQLLKAQ YDAAMTFGPS QIAKGEDPAL QICCQPSCTP HPVCCCHCPGS QSHHHHHH.		
Formulation	ARSA protein solution (0.5mg/ml) containing PhosphateBuffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Arylsulfatase A (ARSA) hydrolyzes cerebrosidesulfate 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 Baculovirus cells is a single, glycosylated polypeptide chain containing 498 amino acids (18-506 a.a.) and having a molecular mass of 53.2kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa). ARSA is expressed with a 6 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