

Product information



ARSA, 21-509aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2087

Full name: Arylsulfatase A

NCBI Accession No.: NP_000478

Synonyms: MLD

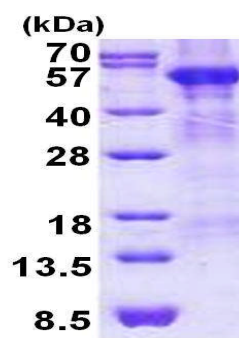
Description: ARSA hydrolyzes cerebroside sulfate to cerebroside and sulfate. Defects in this gene lead to metachromatic leucodystrophy (MLD), a progressive demyelination disease which results in a variety of neurological symptoms and ultimately death. Alternatively spliced transcript variants have been described for this gene. Recombinant human ARSA protein, fused to His-tag at N-terminus, was expressed in *E.coli*.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA,
10% glycerol

Molecular Weight: 54.3kDa (512aa)

Purity: > 90% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSRPPNIVL IFADDLGYGD LGCYGHPSS TPNLDQLAAG GLRFTDFYVP VSLCTPSRAA LLTGRLPVRM
GMYPGVLVPS SRGGLPLEEV TVAEVLAARG YLTGMAGKWH LGVGPEGAFL PPHQGFHRFL GIPYSHDQGP CQNLTCFPPA TPCDGGCDQG
LVP IPLLNL SVEAQPWLP GLEARYMAFA HDLMADAQRQ DRPFLLYYAS HHTHYQFSG QSFAERSGRG PFGDSLMELO AAVGTLMTA I
GDLGELLEETL VIIFTADNGPE TMRMSRGGCS GLLRCGKGT YEGGVREPAL AFWPGHIAPG VTHELASSLD LLPTLAALAG APLPNVTLDG
FDLSPLLLGT GKSPRQSLFF YPSYPDEVRG VFAVRTGKYK AHFFTQGS AH SDDTADPACH ASSSLTAHEP PLYDLSKDP GENYNLLGGV
AGATPEVLQA LKQLQLLKAQ LDAAVTFGPS QVARGEDPAL QICCHPGCTP RPACCHCPDP HA

General references:

Matthes, F., et al. (2011) *J. Biol. Chem.* 286 (20), 17487-17494

Hayashi, T., et al. (2011) *Psychiatry Clin. Neurosci.* 65 (1), 105-108

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:
Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com