

Recombinant mouse Arylsulfatase A/ARSA protein

Catalog Number: ATGP3458

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

18-506aa

UniProt No.

P50428

NCBI Accession No.

NP_033843

Alternative Names

Arylsulfatase A, Arsa, As-2, AS-A, As2, ASA, AW212749, TISP73, Cerebroside-sulfatase

PRODUCT SPECIFICATION

Molecular Weight

53.2 kDa (498aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Arsa, also known as arylsulfatase A, is a prototype member of the sulfatase family. It is an enzyme that catalyzes the degradation of sulfatides, a glycosphingolipid found in many tissues, but predominantly in myelin and kidney. The serum level of its might be helpful in diagnosis of lung and central nervous system cancer. Recombinant mouse Arsa, fused to His-tag at C-terminus, was expressed in insect cell and purified by using

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conventional chromatography techniques.

Amino acid Sequence

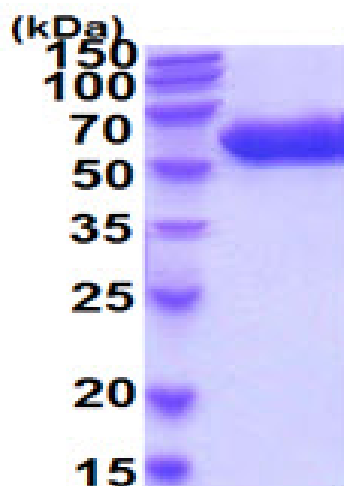
ADPSPPNILL IFADDLGYGD LGSYGHPSSST TPNLDQLAEG GLRFTDFYVP VSLCTPSRAA LLTGRLPVRS GMYPGVLGPS
SQGGLPLEEV TLAEVLAARG YLTGMAGKWH LGVGPEGAFI PPHQGFHRFL GIPYSHDQGP CQNLTCFPPD IPCKGGCDQG
LVPIPLLNL TVEAQPPWLP GLEARYVSFS RDLMAAQRQ GRPFLLYYAS HHTHYPQFSG QSFTKRSGRG PFGDSLMEID
GAVGALMTTV GDLGLLEETL VIFTADNGPE LMRMSNGGCS GLLRCGKGTI FEGGVREPAL VYWPGHITPG VTHELASSLD
LLPTLAALTG APLPNVTLDG VDISPLLLGT GKSPRKSVFF YPPYPDEIHG VFAVRNGKYK AHFFTQGSAH SDTTSDPACH
AANRLTAHEP PLYDLSQDP GENYNVLESI EGVSPALQA LKHIQLLKAQ YDAAMTFGPS QIAKGEDPAL QICQPSCTP
HPVCCHCPGS QSHHHHHH

General References

Lukatela G., et al. (1998) Biochemistry. 37:3654-3664.
Jean S., et al. (2006) Alcohol Clin Exp Res. 30:1950-1955.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)