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

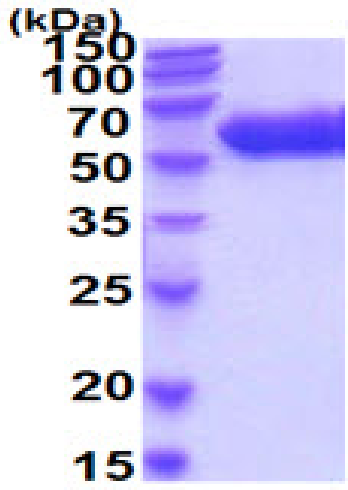
ADPSPPNILL IFADDLGYGD LGSYGHPSST TPNLDQLAEG GLRFTDFYVP VSLCTPSRAA LLTGRLPVRS GMYPGVLGPS SQGGLPLEEV TLAEVLAARG YLTGMAGKWH LGVGPEGAFL PPHQGFHRFL GIPYSHDQGP CQNLTCFPPD IPCKGGCDQG LVPIPLLANL TVEAQPPWLP GLEARYVSFS RDLMADAQRQ GRPFFLYYAS HHTHYPQFSG QSFTKRSGRG PFGDSLMELD GAVGALMTTV GDLGLLEETL VIFTADNGPE LMRMSNGGCS GLLRCGKGTT FEGGVREPAL VYWPGHITPG VTHELASSLD LLPTLAALTG APLPNVTLDG VDISPLLLGT GKSPRKSVFF YPPYPDEIHG VFAVRNGKYK AHFFTQGSAH SDTTSDPACH AANRLTAHEP PLLYDLSQDP GENYNVLESI EGVSPEALQA LKHIQLLKAQ YDAAMTFGPS QIAKGEDPAL QICCQPSCTP 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



15% SDS-PAGE (3ug)

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