

Datasheet for ABIN7596279

Arylsulfatase A Protein (ARSA) (AA 18-506) (His tag)



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Overview

Quantity:	50 µg
Target:	Arylsulfatase A (ARSA)
Protein Characteristics:	AA 18-506
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Arylsulfatase A protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Enzyme Activity Assay (EAA)

Product Details

Sequence:	ADPSPPNILL IFADDLGYGD LGSYGHPSSST TPNLDQLAEG GLRFTDFYVP VSLCTPSRAA LLTGRLPVRS GMYPGVLGPS SQGGLPLEEV TLAEVLAARG YLTGMAGKWH LGVGPEGAF PPHQGFHRFL GIPYSHDQGP CQNLTCFPPD IPCKGGCDQG LVPIPLLANL TVEAQPPWLP GLEARYVSFS RDLMAAQRQ GRPFLLYYAS HHTHYPQFSG QSFTKRSGRG PFGDSLME LD GAVGALMTTV GDLGLLEETL VIFTADNGPE LMRMSNGGCS GLLRCGKGTT FEGGVRE PAL VYWPGHITPG VTHELASSLD LLPTLAALTG APLPNVTLDG VDISPLLLGT GKSPRKS VFF YPPYPDEIHG VFAVRNGKYK AHFFTQGSAH SDTTSDPACH AANRLTAHEP PLYDLSQ DP GENYNVLESI EGVSPALQA LKHIQLLKAQ YDAAMTFGPS QIAKGEDPAL QICQPSCT P HPVCCHCPGS QSHHHHHH
Purity:	> 95% by SDS-PAGE

Product Details

Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Specific activity is > 4,500pmol/min/ug, and defined as the amount of enzyme that hydrolyze 4-Nitrocatechol at pH 5.0 at 37C

Target Details

Target:	Arylsulfatase A (ARSA)
Alternative Name:	Arylsulfatase A/ARSA (ARSA Products)
Background:	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 conventional chromatography techniques.
Molecular Weight:	53.2 kDa (498aa)
NCBI Accession:	NP_033843

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.