

Datasheet for ABIN7596264

Arylsulfatase A Protein (ARSA) (AA 21-509) (His tag)



[Go to Product page](#)

Overview

Quantity:	250 µg
Target:	Arylsulfatase A (ARSA)
Protein Characteristics:	AA 21-509
Origin:	Human
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:	RPPNIVL IFADDLGYGD LGCYGHPSST TPNLDQLAAG GLRFTDFYVP VSLCTPSRAA LLTGRLPVRM GMYPGVLVPS SRGGLPLEEV TVAEVLAARG YLTGMAGKWH LGVGPEGAFL PPHQGFHRFL GIPYSHDQGP CQNLTCFPPA TPCDGGCDQG LVPIPLLANL SVEAQPPWLP GLEARYMAFA HDLMADAQRQ DRPFLLYYAS HHTHYPQFSG QSFAERSGRG PFGDSLMELD AAVGTLMTAI GDLGLLEETL VIFTADNGPE TMRMSRGGCS GLLRCGKGTT YEGGVREPAL AFWPGHIAPG VTHELASSLD LLPTLAALAG APLPNVTLDG FDLSPLLLGT GKSPRQSLFF YPSYPDEVRG VFAVRTGKYK AHFFTQGSAH SDTTADPACH ASSSLTAHEP PLYDLSKDP GENYNLLGGV AGATPEVLQA LKQLQLLKAQ LDAAVTFGPS QVARGEDPAL QICCHPGCTP RPACCHCPDP HA
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 > 2,500pmol/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:	<p>ARSA, also known as arylsulfatase A isoform a, is a member of the sulfatase family. It hydrolyzes cerebroside sulfate, namely cerebroside 3-sulfate. It is found in many tissues, but predominantly in myelin and kidney. This protein is activated by a posttranslational modification (PTM) with the oxidation of cysteine to formylglycine. It could be helpful in diagnosis of lung and central nervous system cancer through the serum level of this protein. The ARSA deficiency results in metachromatic leukodystrophy (MLD), a lysosomal storage disease in the central and peripheral nervous systems with severe and progressive neurological symptoms. Recombinant human ARSA protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.</p>
Molecular Weight:	53 kDa (498aa)
NCBI Accession:	NP_000478

Application Details

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

Handling

Format:	Liquid
Concentration:	0.25 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.