

Recombinant Full Length Human ARSA Protein, GST-tagged

Cat. No. ARSA-1288HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human ARSA full-length ORF (AAH14210.2, 1 a.a. - 507 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	507 amino acids
Description	The protein encoded by this gene 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. [provided by RefSeq, Dec 2010]
Molecular Mass	80 kDa
AA Sequence	<p>MGAPRLLLLA LAAGLAVARP PNIVLIFADD LGYGDLGICYG HPSSTTPNLD QLAAGGLRFT DFYVPVSLCT PSRAALLTGR LPVRMGMYPG VLPSSRGGL PLEEVTVAEV LAARGYLTGM AGKWHLGVGP EGAFLPPHQG FHRFLGIPYS HDQGPCQNL TCFPPATPCDG GCDQGLVPIPI LLANLSVEAQ PPWLPGLER YMAFAHDLMA DAQRQDRPFF LYYASHHHTHY PQFSGQSFAE RSGRGPFGDS LMELDAAVGT LMTAIGDLGL LEETLVIFTA DNGPETMRMS RGGCSGLLRC GKGTTYEGGV REPALAFWPG HIAPGVTHEL ASSDLLPTL AALAGAPLPN VTLDGFDLSP LLLGTGKSPR QSLFFYPSYP DEVRGVFAVR SGKYKAHFFT</p>

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QGSASDTTA DPACHASSSL TAHEPPLLYD LSKDPGENYN LLGGVAGATP
 EVLQALKQLQ LLKAQLDAAV TFGPSQVARG EDPALQICCH PGCTPRPACC
 HCPDPHA

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

ARSA arylsulfatase A [Homo sapiens]

Official Symbol

ARSA

Synonyms

ARSA; arylsulfatase A; metachromatic leucodystrophy; ASA; cerebroside-sulfatase;
 MLD

Gene ID

410

mRNA Refseq

NM_000487

Protein Refseq

NP_000478

MIM

607574

UniProt ID

P15289

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