

## Recombinant Human ARSA protein, GST-tagged

**Cat. No.** ARSA-861H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human ARSA full-length ORF ( AAH14210.2, 1 a.a. - 507 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	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]
<b>Molecular Mass</b>	80 kDa
<b>AA Sequence</b>	<p>MGAPRSLLLALAAGLAVARPPNIVLIFADDLGYGDLGCYGHPSSTTPNLDQLAAGGL  RFTDFYVPVSLCTPSRAALLTGRLPVRMGMPYGVLPSSRGGLPLEEVTVAEVLAA  RGYLTGMAGKWHLGVGPEGAFLPPHQGFHRFLGIPYSHDQGPCQNLTCFPPATPC  DGGCDQGLVPIPLLANLSVEAQPPWLPGLEARYMAFAHDLMADAQRQDRPFFLYYA  SHHTHYPQFSGQSFAERSGRGPFGLMELDAAVGTLMTAIGDLGLLEETLVIFTAD  NGPETMRMSRGGCSGLLRGCGKTTYEGGVREPALAFWPGHIAPGVTHELASSLDL  LPTLAALAGAPLPNVTLDGFDLSPLLLGTGKSPRQSLFFYPSYPDEVRGVFAVRSGK  YKAHFFTQGSAHSDTTADPACHASSSLTAHEPPLLYDLKDPGENYNLLGGVAGAT  PEVLQALKQLQLLKAQLDAAVTFGPSQVARGEDPALQICCHPGCTPRPACCHCPDP</p>

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<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">ARSA arylsulfatase A [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">ARSA</a>
<b>Synonyms</b>	ARSA; arylsulfatase A; metachromatic leucodystrophy; ASA; cerebroside-sulfatase; MLD;
<b>Gene ID</b>	<a href="#">410</a>
<b>mRNA Refseq</b>	<a href="#">NM_000487</a>
<b>Protein Refseq</b>	<a href="#">NP_000478</a>
<b>MIM</b>	<a href="#">607574</a>
<b>UniProt ID</b>	<a href="#">P15289</a>

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