

Recombinant Human ARSA Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ARSA-6575H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ARSA MS Standard C13 and N15-labeled recombinant protein (NP_000478) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	53.6 kDa
AA Sequence	MGAPRSLLLALAAGLAVARPPNIVLIFADDLGYGDLGCYGHPSSTTPNLDQLAAGGL RFTDFYVPVSLCTPSRAALLTGRLPVRMGMYPGVLPSSRGGLPLEEVTVAEVLAA RGYLTGMAGKWHLGVGPEGAFLPPHQGFHRLGIPYSHDQGPGCQNLTCFPPATPC DGGCDQGLVPIPLLANLSVEAQPPWLPGLEARYMAFAHDLMAAQRQDRPFFLYYA SHHTHYPQFSGQSFAERSGRGPFGLDMSLMELDAAVGTLMTAIGDLGLLEETLVIFTAD NGPETMRMSRGGCSGLLRGKGTTEGGVREPALAFWPGHIAPGVTHELASSLDL LPTLAALAGAPLPNVTLDGFDLSPLLLGTGKSPRQSLFFYPSYPDEVRGVFAVRSGK YKAHFFTQGSASDSTTADPACHASSSLTAHEPPLLYDLKDPGENYNLLGGVAGAT

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	PEVLQALKQLQLLKAQLDAAVTFGPSQVARGEDPALQICCHPGCTPRPACCHCPDP HATRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ARSA arylsulfatase A [Homo sapiens (human)]
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

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