

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 DGGCDQGLVPIPLLANSVEAQPPWLPGLEARYMAFAHDLMAAQRQDRPFFLYYA 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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