

Recombinant Human ARSA

Cat. No. ARSA-26265TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human ARSA with N terminal proprietary tag, 37.73 kDa. Predicted MW 37.73 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	110 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.
Molecular Weight	37.730kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids	FFTQGSASHSDTTADPACHASSSLTAHEPPLLYDLSKDPGE NYNLLGGVAGATPEVQ QALKQLQLLKAQLDAAVTFGPSQV ARGEDPALQICCHPGCTPRPACCHCPDPA
Sequence Similarities	Belongs to the sulfatase family.
GENE INFORMATION	
Gene Name	ARSA arylsulfatase A [Homo sapiens]
Official Symbol	ARSA
Synonyms	ARSA; arylsulfatase A; metachromatic leucodystrophy;
Gene ID	410
mRNA Refseq	NM_000487
Protein Refseq	NP_000478
MIM	607574
Uniprot ID	P15289
Chromosome Location	22q13.31-qter
Pathway	Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; Sphingolipid metabolism, organism-specific biosystem; Sphingolipid metabolism, conserved biosystem;
Function	arylsulfatase activity; calcium ion binding; cerebroside-sulfatase activity; hydrolase

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activity; sulfuric ester hydrolase activity;

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