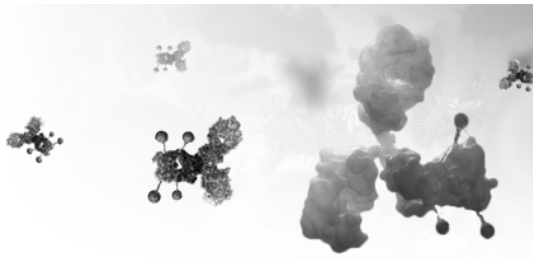

Human ARSA peptide (DAG-P1393)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the sulfatase family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	ARSA arylsulfatase A [Homo sapiens (human)]
Official Symbol	ARSA
Synonyms	ARSA; arylsulfatase A; MLD; ASA; cerebroside-sulfatase;
Entrez Gene ID	410
mRNA Refseq	NM_000487.5
Protein Refseq	NP_000478.3

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UniProt ID	B4DVI5
Chromosome Location	22q13.33
Pathway	Glycosphingolipid metabolism, organism-specific biosystem; Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; PTM: gamma carboxylation, hypusine formation and arylsulfatase activation, organism-specific biosystem; Post-translational protein modification, organism-specific biosystem; Sphingolipid metabolism, organism-s
Function	arylsulfatase activity; calcium ion binding; cerebroside-sulfatase activity; sulfuric ester hydrolase activity;

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