

Active Recombinant Human ARSA, His-tagged

Cat. No. ARSA-306H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ARSA (Accession # AAH14210) Arg19-Ala507, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	19-507 a.a.
Predicted N Terminal	Arg19
Form	Supplied as a 0.2 µ filtered solution in Tris and NaCl.
Bio-activity	Measured by its ability to hydrolyze the substrate 4-Nitrocatechol Sulfate (PNCS). The specific activity is >25 pmol/min/g, as measured under the described conditions.
Molecular Mass	Recombinant Human ARSA, His-tagged has a calculated MW of 53 kDa. In SDS-PAGE migrates as 63 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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GENE INFORMATION

Gene Name	ARSA arylsulfatase A [Homo sapiens]
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
UniProt ID	P15289
Chromosome Location	22q13.31-qter

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