

## Active Recombinant Human ARSA, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ARSA (Accession # AAH14210) Arg19-Ala507, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	19-507 a.a.
<b>Predicted N Terminal</b>	Arg19
<b>Form</b>	Supplied as a 0.2 µ filtered solution in Tris and NaCl.
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	Recombinant Human ARSA, His-tagged has a calculated MW of 53 kDa. In SDS-PAGE migrates as 63 kDa, reducing conditions.
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	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

<b>Gene Name</b>	ARSA arylsulfatase A [ Homo sapiens ]
<b>Official Symbol</b>	ARSA
<b>Synonyms</b>	ARSA; arylsulfatase A; metachromatic leucodystrophy; ASA; cerebroside-sulfatase; MLD;
<b>Gene ID</b>	410
<b>mRNA Refseq</b>	NM_000487
<b>Protein Refseq</b>	NP_000478
<b>MIM</b>	607574
<b>UniProt ID</b>	P15289
<b>Chromosome Location</b>	22q13.31-qter

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