

Recombinant Mouse ARSA protein(Met1-Ser506), His-tagged

Cat. No. Arsa-2334M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse ARSA (NP_033843.2)(Met 1-Ser 506) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	1-506 a.a.
Form	Lyophilized from sterile 25mM Tris, 0.15mM NaCl, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to cleave p-Nitrocatechol Sulfate (PNCS). The specific activity is >100 pmoles/min/μg.
Molecular Mass	The secreted recombinant mouse ARSA consists of 500 amino acids and has a calculated molecular mass of 53.5 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 60 kDa protein in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 97 % as determined by SDS-PAGE

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Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
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Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
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GENE INFORMATION

Gene Name	Arsa arylsulfatase A [Mus musculus]
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Official Symbol	ARSA
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Synonyms	ARSA; arylsulfatase A; cerebroside-sulfatase; ASA; As2; AS-A; As-2; TISP73; AW212749;
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Gene ID	11883
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mRNA Refseq	NM_009713
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Protein Refseq	NP_033843
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