

Recombinant Human ARSB

Cat. No. ARSB-26104TH **Lot. No.** (See product label)

SPECIFICATION

| | |
|-------------------------|---|
| Product Overview | Recombinant fragment of Human ARSB with N-terminal proprietary tag. Predicted MW 36.63 kDa. |
| Species | Human |
| Source | Wheat Germ |
| ProteinLength | 100 amino acids |
| Description | Arylsulfatase B encoded by this gene belongs to the sulfatase family. The arylsulfatase B homodimer hydrolyzes sulfate groups of N-Acetyl-D-galactosamine, chondroitin sulfate, and dermatan sulfate. The protein is targeted to the lysosome. Mucopolysaccharidosis type VI is an autosomal recessive lysosomal storage disorder resulting from a deficiency of arylsulfatase B. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. |
| Molecular Weight | 36.630kDa inclusive of tags |
| Form | Liquid |
| Purity | Proprietary Purification |
| Storage buffer | pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl |
| Storage | Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw |

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cycles.

Sequences of amino acids FGYLLGSEDYYSHERCTLIDALNVTRCALDFRDGEEVATGYKNMYSTNIFTKRAIALIT
NHPPEKPLFLYLALQSVHEPLQVPEEYLKPYDFIQDKNRHH

Sequence Similarities Belongs to the sulfatase family.

GENE INFORMATION

Gene Name [ARSB arylsulfatase B \[Homo sapiens \]](#)

Official Symbol [ARSB](#)

Synonyms ARSB; arylsulfatase B;

Gene ID [411](#)

mRNA Refseq [NM_000046](#)

Protein Refseq [NP_000037](#)

MIM [611542](#)

Uniprot ID [P15848](#)

Chromosome Location 5p11-q13

Pathway Chondroitin sulfate degradation, organism-specific biosystem; Chondroitin sulfate degradation, conserved biosystem; Dermatan sulfate degradation, organism-specific biosystem; Dermatan sulfate degradation, conserved biosystem; Glycosaminoglycan

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degradation, organism-specific biosystem;

Function

N-acetylgalactosamine-4-sulfatase activity; arylsulfatase activity; catalytic activity; hydrolase activity; metal ion binding;

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