

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
NHPPEKPLFLYLALQSVHEPLQVPPEEYLKPYDFIQDKNRHH

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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