

## Recombinant Human ARSB protein, GST-tagged

**Cat. No.** ARSB-862H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human ARSB full-length ORF (BAG37417.1, 1 a.a. - 533 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	<p>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.</p> <p>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. [provided by RefSeq, Dec 2016]</p>
<b>Molecular Mass</b>	85.03 kDa
<b>AA Sequence</b>	<p>MGPRGAASLPRGPGPRLLLLPVVLPLLLLLLAPPGSGAGASRPPHLVFLADDLGW            NDVGFHGSRI RTPHLDALAAGGVLLDNYTQPLCTPSRSQLLTGRYQIR TGLQHII            WPCQPSCVPLDEKLLPQLLKEAGYTTHMVGKWHLGMYRKECLPTRRGFDTYFGYL            LGSEDYYSHERCTLIDALNVTRCALDFRDGEEVATGYKNMYSTNIFTKRAIALITNHP            PEKPLFLYLALQSVHEPLQVPEEYLKPYDFIQDKNRHHYAGMVSLMDEAVGNVTAAL            KSSGLWNNTVFIFSTDNGGQTLAGGNNWPLRGRKWSLWEGGVRGVGFVASPLLK            QKGVKNRELIHISDWLPTLMKLARGHTNGTKPLDGFVWKTISEGSPSPRIELLHNID</p>

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PNFVDSSPCPRNSMAPAKDDSSLPEYSAFNSTVHAAIRHGNWKLTTGYPGCGYWF  
PPPSQYNVSEIPSSDPPTKTLWLFDIRDPEERHDLRSREYPHIVTKLLSRLQFYHKHS  
VPVYFPAQDPRCDPKATGVWGPWM

**Applications**

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);  
Antibody Production; Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**GENE INFORMATION**

**Gene Name**

ARSB arylsulfatase B [ Homo sapiens (human) ]

**Official Symbol**

ARSB

**Synonyms**

ARSB; arylsulfatase B; ASB; G4S; MPS6; arylsulfatase B; N-acetylgalactosamine-4-sulfatase; EC 3.1.6.12

**Gene ID**

411

**mRNA Refseq**

NM\_000046

**Protein Refseq**

NP\_000037

**MIM**

611542

**UniProt ID**

P15848

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