

Recombinant Human ARSB protein, GST-tagged

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

SPECIFICATION

Product Overview	Human ARSB full-length ORF (BAG37417.1, 1 a.a. - 533 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Dec 2016]
Molecular Mass	85.03 kDa
AA Sequence	MGPRGAASLPRGPGPRRLLLPVVLPLLLLLLLAPPGSGAGASRPPHLVFLADDLGW NDVGFHGSRI RTPHLDALAAGGVLLDNYTQPLCTPSRSQLLTGRYQIRTGLQHQII WPCQPSCVPLDEKLLPQLLKEAGYTTHMVGKWHLGMYRKECLPTRRGFDTYFGYL LGSEDIYYSHERCTLIDALNVTRCALDFRDGEEVATGYKNMYSTNIFTKRAIALITNHP PEKPLFLYLALQSVHEPLQVPEEYLKPYDFIQDKNRHHYAGMVSLMDEAVGNVTAAL KSSGLWNNTVFIFSTDNGGQTLAGGNNWPLRGRKWSLWEGGVRGVGFVASPLLK QKGVKNRELIHISDWLPTLMKLARGHTNGTKPLDGFVWKTISEGSPSPRIELLHNID

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PNFVDSSPCPRNSMAPAKDDSSLPEYSAFNTSVHAAIRHGNWKLITGYPGCGYWF
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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