

Recombinant Full Length Human ARSB Protein, GST-tagged

Cat. No. ARSB-1290HF **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	In Vitro Cell Free System
ProteinLength	533 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. [provided by RefSeq, Dec 2016]
Molecular Mass	85.03 kDa
AA Sequence	MGPRGAASLP RGPGPRRLLL PVVLPLLLLL LLAPPGSGAG ASRPPHLVFL LADDLGWNDV GFHGSRI RTP HLDALAAGGV LLDNYTQPL CTPSRSQLLT GRYQIRTGLQ HQIWPQCPS CVPLDEKLLP QLLKEAGYTT HVMGKWHLGM YRKECLPTRR GFDTYFGYLL GSEDYYSHER CTLIDALNVT RCALDFRDGE EVATGYKNMY STNIFTKRAI ALITNHPPEK PLFLYLALQS VHEPLQVPEE YLKPYDFIQD KNRHHYAGMV SLMDEAVGNV TAALKSSGLW NNTVFIFSTD

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NGGQTLAGGN NWPLRGRKWS LWEGGVRGVG FVASPLLKQK GVKNRELIHI
 SDWLPTLMKL ARGHTNGTKP LDGFDVWKTl SEGSPSPRIE LLHNIDPNFV
 DSSPCPRNSM APAKDDSSLP EYSAFNTSVH AAIRHGNWKL LTGYPGCGYW
 FPPPSQYNVS EIPSSDPPTK TLWLFDIDRD PEERHDLRSRE YPHIVTKLLS
 RLQFYHKHSV PVYFPAQDPR CDPKATGVWG PWM

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

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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