

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 RGPGRRLLL PVVLPLLLLL LLAPPGSGAG ASRPPHLVFL LADDLGWNDV GFHGSRI RTP HLDALAAGGV LLDNYTQPL CTPSRSQLLT GRYQIRTGLQ HQIWP CQPS CVPLDEKLLP QLLKEAGYTT H MVGKWHLGM YRKECLPTRR GFDTYFGYLL GSEDYY SHER 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 PEERHDLSRE 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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