

Recombinant Human ARSB Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ARSB-2122H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ARSB MS Standard C13 and N15-labeled recombinant protein (NP_000037) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 Mass	59.69 kDa
AA Sequence	MGPRGAASLPRGPGPRRLLLPVVLPLLLLLLLAPPGSGAGASRPPHLVFLADDLGW NDVGFHGSRI RTPHLDALAAGGVLLDNYTQPLCTPSRSQLLTG RYQIR TGLQH QII WPCQPSCVPLDEKLLPQLLKEAGYTTHMVGKWHLGMYRKECLPTRRGFD TYFGYL LGSEDIYYSHERCTLIDALNVTRCALDFRDGEEVATGYKNMYSTNIFTKRAIALITNHP PEKPLFLYLALQSVHEPLQVPEEYLKPYDFIQDKNRHHYAGMVSLMDEAVGNVTAAL KSSGLWNNTVFIFSTDNGGQTLAGGNNWPLRGRKWSLWEGGVRGVGFVASPLLK QKGVKNRELIHISDWLPTLVKLARGHTNGTKPLDGFVDWKTISEGSPSPRIELLHNID

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PNFVDSSPCPRNSMAPAKDDSSLPEYSAFNSTVHAAIRHGNWKLTTGYPGCGYWF
PPPSQYNVSEIPSSDPPTKTLWLFDIDRDPEERHDLRSREYPHIVTKLLSRLQFYHKHS
VPVYFPAQDPRCDPKATGVWGPWMTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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](#)

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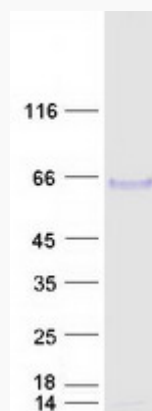
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UniProt ID

P15848

SDS-PAGE

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