

Product datasheet for **TP314604**

ARSB (NM_000046) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human arylsulfatase B (ARSB), transcript variant 1, 20 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC214604 representing NM_000046
Red=Cloning site **Green**=Tags(s)

MGPRGAASLPRGPGPRLLLLPVVLPLLLLLLAPPGSGAGASRPPHLVFLADDLGWNDVGFHGSRI RTP
HLDALAAGGVLLDNYYTQPLCTPSRSQLLTGRYQIRTGLQHQIIWPCQPSCVPLDEKLLPQLLKEAGYTT
HMGKWHLGMYSRKECLPTRRGFDYFGYLLGSEDYSSHERCTLIDALNVTRCALDFRDGEEVATGYKNMY
STNIFTKRAIALITNHPPEKPLFLYLALQSVHEPLQVPEEYLKPYDFIQDKNRHHYAGMVSLMDEAVGNV
TAALKSSGLWNNVTFIFSTDNGGQTLAGGNNWPLRGRKWSLWEGGVRGVGFVSPLLKQKGVKNRELI
HI
SDWLPTLVKLGHTNGTKPLDGFVWKTISEGSPSPRIELLNIDPNFVDSSPCPRNSMAPAKDDSSLP
EYSAFNTSVHAAIRHGNWKLITGYPGCGYWFPPPSQYNVSEIPSSDPPTKTLWLFIDRDPEERHDLRSR
YPHIVTKLLSRLQFYHKHSVPVYFPAQDPRCDPKATGVWGPWM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

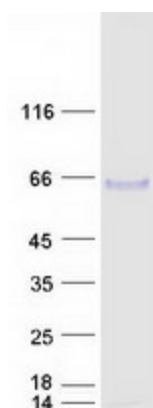
Tag: C-Myc/DDK
Predicted MW: 56 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage: Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000037
Locus ID:	411
UniProt ID:	P15848
RefSeq Size:	6089
Cytogenetics:	5q14.1
RefSeq ORF:	1599
Synonyms:	ASB; G4S; MPS6
Summary:	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]
Protein Families:	Druggable Genome
Protein Pathways:	Glycosaminoglycan degradation, Lysosome, Metabolic pathways

Product images:



Coomassie blue staining of purified ARSB protein (Cat# TP314604). The protein was produced from HEK293T cells transfected with ARSB cDNA clone (Cat# [RC214604]) using MegaTran 2.0 (Cat# [TT210002]).