

## Product datasheet for **TP314604M**

### ARSB (NM\_000046) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human arylsulfatase B (ARSB), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC214604 representing NM_000046 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MGPRGAASLPRGPGPRLLLLPVVLPLLLLLLAPPGSGAGASRPPHLVFLADDLGWNDVGFHGSRI RTP  
HLDALAAGGVLLDNYYTQPLCTPSRSQLLTGRYQIRTGLQHQQIIWPCQPSCVPLDEKLLPQLLKEAGYTT  
HMVGKWHLGMYSRKECLPTRRGFDYFGYLLGSEDYYSHERCTLIDALNVTRCALDFRDGEEVATGYKNMY  
STNIFTKRAIALITNHPPEKPLFLYLALQSVHEPLQVPEEYLKPYDFIQDKNRHHYAGMVSLMDEAVGNV  
TAALKSSGLWNNTVFIFSTDNGGQTLAGNNWPLRGRKWSLWEGGVRGVGFVASPLLKQKGVKNRELIHI  
SDWLPTLVKLGARGHTNGTKPLDGFVWKTISEGSPSPRIELLHNIDPNFVDSSPCPRNSMAPAKDDSSLP  
EYSAFNTSVHAAIRHGNWKLTTGYPGCGYWFPPPSQYNVSEIPSSDPPTKTLWLFIDIRDPEERHDLRSRE  
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.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_000037](#)

Locus ID: 411

UniProt ID: [P15848](#), [A0A024RAJ9](#)

RefSeq Size: 6089

Cytogenetics: 5q14.1

RefSeq ORF: 1599

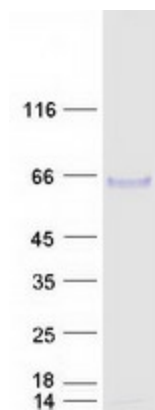
Synonyms: ASB; G4S; MPS6

**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]).