

## Product datasheet for PH314604

### ARSB (NM\_000046) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	ARSB MS Standard C13 and N15-labeled recombinant protein (NP_000037)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214604
Predicted MW:	59.69 kDa
Protein Sequence:	>RC214604 representing NM_000046 Red=Cloning site Green=Tags(s)

MGPRGAASLPRGPGPRLLLLPVVLPLLLLLLAPPGSGAGASRPHLVFLLADDLGWNDVGFHGSRI RTP  
HLDALAAGGVLLDNYTQPLCTPSRSQLLTGRYQIRTGLQHQIIWPCQPSCVPLDEKLLPQLLKEAGYTT  
HMVGKWHLGMYRKECLPTRRGFDYFGYLLGSEDIYSHERCTLIDALNVTRCALDFRDGEEVATGYKNMY  
STNIFTKRAIALITNHPPEKPLFLYLALQSVHEPLQVPEEYLPYDFIQDKNRHHYAGMVSLMDEAVGNV  
TAALKSSGLWNNTVFI FSTDNGGQTLAGGNNWPLRGRKWSLWEGGVRGVGFVAPLLKQKGVKNRELIHI  
SDWLPTLVKLARGHTNGTKPLDGFVWKTISEGSPSPRIELLNIDPNFVDSSPCPRNSMAPAKDDSSLP  
EYSAFNTSVHAAIRHGNWKLITGYPGCGYWFPPPSQYNVSEIPSSDPPTKTLWLFIDRDP EERHDL SRE  
YPHIVTKLLSRLQFYHKHSVPVYFPAQDPRCDPKATGVWGPWM

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_000037</a>
RefSeq Size:	6089
RefSeq ORF:	1599



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**Synonyms:** ASB; G4S; MPS6

**Locus ID:** 411

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

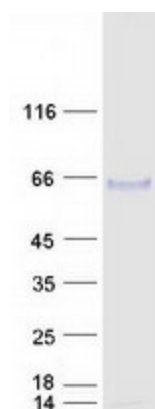
**Cytogenetics:** 5q14.1

**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]).