

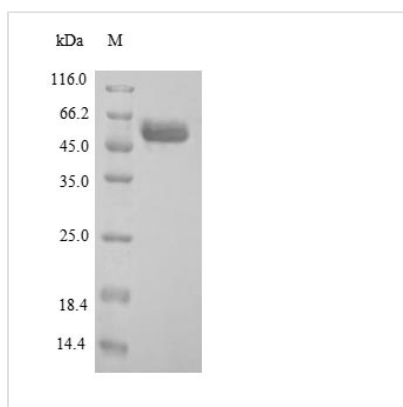


Recombinant Human Arylsulfatase B (ARSB)

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|--------------------------|--|
| Product Code | CSB-YP002142HU |
| Relevance | Removes sulfate groups from chondroitin-4-sulfate (C4S) and regulates its degradation. Involved in the regulation of cell adhesion, cell migration and invasion in colonic epithelium. In the central nervous system, is a regulator of neurite outgrowth and neuronal plasticity, acting through the control of sulfate glycosaminoglycans and neurocan levels. |
| Abbreviation | Recombinant Human ARSB protein |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| Uniprot No. | P15848 |
| Alias | N-acetylgalactosamine-4-sulfatase ;G4S |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | ≥ 90% as determined by SDS-PAGE. |
| Sequence | SGAGASRPPHLVFLADDLWVDFHGSRIKTPHLDALAAGGVLLDNYITQ PLCTPSRSQLLTGRYQIRTGLQHQIWPQCPSVPLDEKLLPQLLKEAGYTTM VGKWHLGMRYRKECLPTRRGFDYFGYLLGSEDIYSHERCTLIDALNVTRCAL DFRDGEEVATGYKNMYSTNIFTKRAIALITNHPPEKPLFLYLALQSVHEPLQVPE EYLKPYDFIQDKNRHHYAGMVSLMDEAVGNVTAALKSSGLWNNTVFIFSTDN GGQTLAGGNNWPLRGRKWSLWEGGVRGVGFVAPLLKQKGVKNRELIHISD WLPTLVKLARGHTNGTKPLDGFVWKTISEGSPSPRIELLHNIDPNFVDSSPCP RNSMAPAKDDSSLPEYSAFNTSVHAAIRHGNWKLITGYPGCGYWFPPPSQY NVSEIPSSDPPTKTLWLFIDIDRDPEERHDLRSREYPHIVTKLLSRLQFYHKHSVP VYFPAQDPRCDPKATGVWGPWM |
| Research Area | Cancer |
| Source | Yeast |
| Target Names | ARSB |
| Protein Names | Recommended name: Arylsulfatase B Short name= ASB EC= 3.1.6.12 Alternative name(s): N-acetylgalactosamine-4-sulfatase Short name= G4S |
| Expression Region | 37-533aa |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | N-terminal 6xHis-tagged |
| Mol. Weight | 58.0kDa |
| Protein Length | Full Length of Mature Protein |



Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.