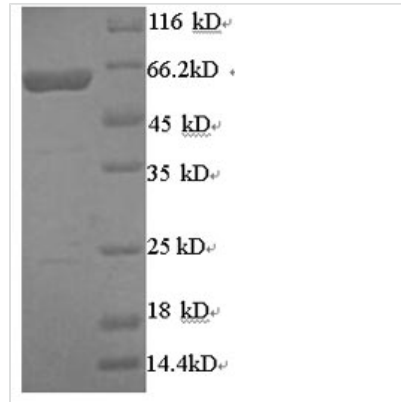




Recombinant Human Arylsulfatase B (ARSB)

Product Code	CSB-EP002142HU
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	SGAGASRPPHLVFL LADDLGWNDVGFHGSRI RTPHLDALAAGGVLLDNYTQ PLCTPSRSQLLTG RYQIRTGLQHQQIWP CQPSCVPLDEKLLPQLLKEAGYTTHM VGKWHLGM YRKECLPTRRGFDTYFGYLLGSE DYYSHERCTLIDALNVTRCAL DFRDGEEVATG YKNMYSTNIFTKRAIALITNHPPEKPLFLYLALQSVHEPLQVPE EYLKPYDFIQDKNRHHYAGMVSLMDEAVGNVTAALKSSGLWNNTVFIFSTDN GGQTLAGGNNWPLRGRKWSLWEGGVRGVGFVASPLLKQKGVKNRELIHISD WLPTLVKLARGHTNGTKPLDGF DVWKTISEGSPSPRIEL LHIDPNFVDSSPCP RNSMAPAKDDSSLPEYSAFN TSVHAAIRHGNWKL LTGYPGCGYWFPPPSQY NVSEIPSSDPPTKTLWLF D IDRPEERHDLSREYPHIVTKLLSRLQFYHKHSVP VYFPAQDPRCDPKATGVWGPWM
Research Area	Cancer
Source	E.coli
Target Names	ARSB
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-SUMO-tagged
Mol. Weight	72.0kDa
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.