



Recombinant Human Arylsulfatase B (ARSB)

Product Code	CSB-EP002142HU-B
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
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	SGAGASRPPHLVFL LADDLGWNDVGFHGSRI RTPHL DALAAGGVLLDNYTQ PLCTPSRSQLLTGRYQIRTGLQH QIIWPCQPSCVPLDEKLLPQLLKEAGYTTHM VGKWHLGMYRKECLPTRRGFDTYFGYLLGSEDIYSSHERCTLIDALNVTRCAL DFRDGEEVATGYKNMYSTNIFTKRAIALITNHPPEKPLFLYLALQSVHEPLQVPE EYLKPYDFIQDKNRHHYAGMVSLMDEAVGNVTAALKSSGLWNNTVFIFSTDN GGQTLAGGNNWPLRGRKWSLWEGGVRGVGFVASPLLKQKGVKNRELIHISD WLPTLVKLARGHTNGTKPLDGFVWKTISEGSPSPRIELLHNIDPNFVDSSPCP RNSMAPAKDDSSLPEYSAFNTSVHAAIRHGNWLLTGYPGCGYWFPPPSQY NVSEIPSSDPPTKTLWLFDIRDPEERHDLSREYPHIVTKLLSRLQFYHKHSVP VYFPAQDPRCDPKATGVWGPWM
Research Area	Cancer
Source	E.coli
Target Names	ARSB
Expression Region	37-533aa
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
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.