



Recombinant Human Insulin-like growth factor-binding protein complex acid labile subunit (IGFALS)

Product Code	CSB-EP011094HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P35858
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	ADP GTPGEAEGPA CPAACVCSYD DDADELSVFC SSRNLTRLPD GVPGGTQALW LDGNNLSSVP PAAFQNLSSL GFLNLQGGQL GSLEPQALLG LENLCHLHLE RNQLRSLALG TFAHTPALAS LGLSNNRLSR LEDGLFEGLG SLWDLNLGWN SLAVLPDAAF RGLGSLRELV LAGNRLAYLQ PALFSGLAEL RELDLSRNAL RAIKANVFVQ LPRLQKLYLD RNLIAAVAPG AFLGLKALRW LDLSHNRVAG LLEDTFPGLL GLRVLRLSHN AIASLRPRTF KDLHFLEELQ LGHNRIKRLA ERSFEGLGQL EVLTLDHNLQ QEVKAGAFGL LTNVAVMNLN GNCLRNLPDQ VFRGLGKLHS LHLEGSCLGR IRPHTFTGLS GLRRLFLKDN GLVGIEEQSL WGLAELELD LTSNQLTHLP HRLFQGLGKL EYLLSRNRL AELPADALGP LQRAFWLDVS HNRLEALPNS LLAPLGLRLRY LSLRNNSLRT FTPQPPGLER LWLEGNPWDC GCPLKALRDF ALQNPSAVPR FVQAICEGDD CQPPAYTYNN ITCASPPEVV GLDLRDLSEA HFAPC
Source	E.coli
Target Names	IGFALS
Protein Names	Recommended name: Insulin-like growth factor-binding protein complex acid labile subunit Short name= ALS
Expression Region	28-605
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein is a serum protein that binds insulin-like growth factors, increasing their half-life and their vascular localization. Production of the encoded protein, which contains twenty leucine-rich repeats, is stimulated by growth hormone. Defects in this gene are a cause of acid-labile subunit deficiency, which manifests itself in a delayed and slow puberty. Three transcript variants encoding two different 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.