



Recombinant Mouse Insulin-like growth factor-binding protein complex acid labile subunit (Igfals)

Product Code	CSB-EP011094MO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P70389
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	YLQGTDP GASADAEGPQ CPVTCTCSYD DYTDELSVFC SSRNLTQLPD GIPVSTRALW LDGNNLSSIP SAAFQNLSSL DFLNLQGSWL RSLEPQALLG LQNLVHLE RNLRLSLAAG LFRHTPSLAS LSLGNNLLGR LEEGLFRGLS HLWDLNLGWN SLVVLPTDFV QGLGNLHELV LAGNKLTYLQ PALLCGLGEL RELDLSRNAL RSVKANVFIH LPRLQKLYLD RNLITAVAPR AFLGMKALRW LDLSHNRVAG LLEDTFPGLL GLHVLRLAHN AITSLRPRTF KDLHFLEELQ LGHNRIRQLG EKTFEGLGQL EVLTLNDNQI HEVKVGAFFG LFNVAVMNL GNCLRSLPEH VFQQLGRLHS LHLEHSCGR IRLHTFAGLS GLRRLFLRDN SISSIEEQL AGLSELLELD LTANQLTHLP RQLFQGLGQL EYLLLSNNQL TMLSEDLGVP LQRAFWLDS HNRLETPAEG LFSSGLRLRY LNLRNNSLQT FVPQPGLERL WLDANPWDCS CPLKALRDFA LQNPVVPRF VQTVCEGDDC QPVYTYNNIT CAGPANVSG LDRDISETLF VHC
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	24-603
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.