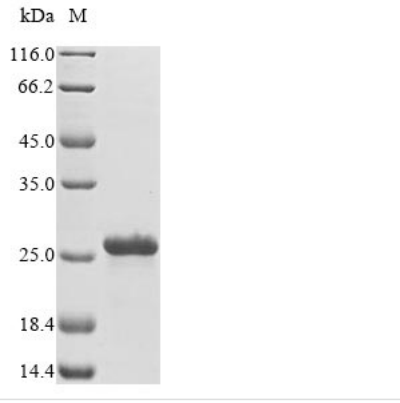
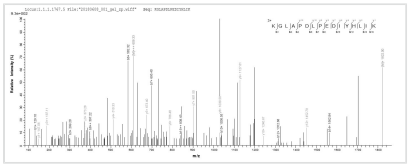
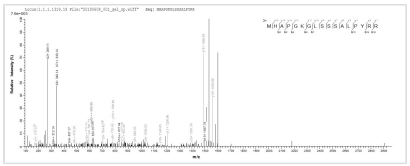
Recombinant Ciona intestinalis 40S ribosomal protein S13 (RPS13)

Product Code	CSB-EP816848DTL
Abbreviation	Recombinant Ciona intestinalis RPS13 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.	Q8I7D6
Product Type	Recombinant Protein
Immunogen Species	Ciona intestinalis (Transparent sea squirt) (Ascidia intestinalis)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	GRMHAPGKGLSSSALPYRRSVPTWLKLSSEDVKEQIYKLAKKGLRPSQIGVIL RDSHGSAQVRFVTGNQILRVLKAKGLAPDLPEDIYHLIKKAVAMRKHLERNRK DTDSKFRLILVESRIHRLGRYYKTKGVLPPNWKYESATASALVA
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	RPS13
Protein Names	Recommended name: 40S ribosomal protein S13
Expression Region	2-151aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	23.9 kDa
Protein Length	Full Length of Mature Protein
Image	 (Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP816848DTL could indicate that this peptide derived from E.coli-expressed Ciona intestinalis (Transparent sea squirt) (Ascidia intestinalis) RPS13.



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Description

The first step in producing the recombinant Ciona intestinalis (Transparent sea squirt) RPS13 protein is to construct a plasmid that encodes the Ciona intestinalis (Transparent sea squirt) RPS13 protein (2-151aa). The next is to transform this plasmid into e.coli cells, select positive e.coli cells, from which positive cells can be screened and cultured to express the protein. A N-terminal 10xHis tag and C-terminal Myc tag is fused to the protein. The recombinant Ciona intestinalis (Transparent sea squirt) RPS13 protein is purified through affinity purification from the cell lysate. Its purity is greater than 90%, determined by the SDS-PAGE analysis.

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

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