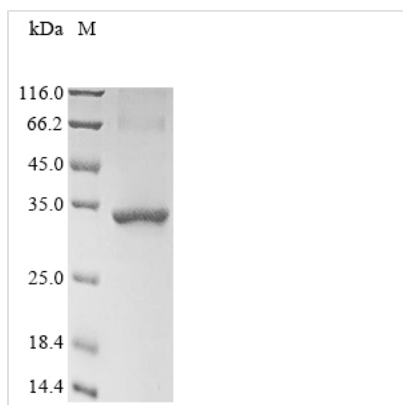




Recombinant Mouse Stanniocalcin-2 (Stc2)

Product Code	CSB-EP022822MO
Abbreviation	Recombinant Mouse Stc2 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.	O88452
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Proteins
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	TDSTNPPEGPQDRSSQQKGRSLQNTAEIQHCLVNAGDVGCGVFECFENNS CEIQGLHGICMTFLHNAGKFDAQGKSFIKDALRCKAHALRHKFGCISRKCPAIR EMVFQLQRECYLKHDLCSAQENVGVIVEMIHFKDLLLHEPYVDLVNLLLTCE DVKEAVTRSVQAQCEQSWGGLCSILSFCTSNIRPPTAAPEHQPLADRAQLS RPHHRDTHHLTANRGAKGERGSKSHPNAHARGRTGGQSAQGPGSGSSEWE DEQSEYSDIRR
Research Area	Signal Transduction
Source	E.coli
Target Names	Stc2
Protein Names	Recommended name: Stanniocalcin-2 Short name= STC-2
Expression Region	25-296aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag-Free
Mol. Weight	30.1 kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The production of recombinant Mouse Stc2 protein in e.coli cells is a multi-step process, including constructing the expression vector coding for the Mouse Stc2 protein (25-296aa), transforming the recombinant vector into e.coli cells, selecting the cells that containing the vector and cultivating them, performing cell lysis, collecting the protein, and characterizing the protein. The resulting recombinant Mouse Stc2 protein is purified from the cell lysate through affinity purification, and its purity, determined by SDS-PAGE, is greater than 90%.

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.