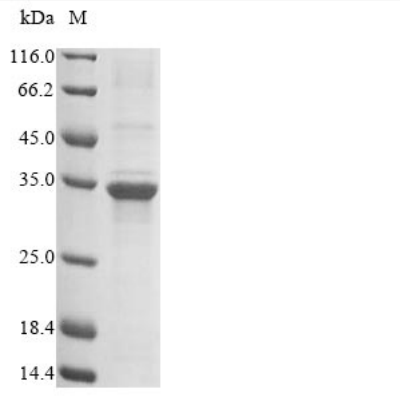
Recombinant Mouse Troponin I, slow skeletal muscle (Tnni1)

Product Code	CSB-EP895293MO
Abbreviation	Recombinant Mouse Tnni1 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.	Q9WUZ5
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	PEVERKSKITASRKLMLKSLMLAKAKECWEQEHEEREAEKVRYLSERIPTLQT RGLSLSALQDLCRELHAKVEVVDEERYDIEAKCLHNTREIKDLKLKVLDLRGKF KRPPLRRVRVSADAMLRALLGSKHKVSMDLRANLKSVKKEDTEKERPVEVGD WRKNVEAMSGMEGRKKMFDAAKSPTSQ
Research Area	Signal Transduction
Source	E.coli
Target Names	Tnni1
Protein Names	Recommended name: Troponin I, slow skeletal muscleAlternative name(s): Troponin I, slow-twitch isoform
Expression Region	2-187aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-Flag-tagged and C-terminal Myc-tagged
Mol. Weight	29.6 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	Expressing the recombinant Mouse Tnni1 protein in e.coli cells involves inserting a DNA fragment encoding the Mouse Tnni1 protein (2-187aa) into a plasmid vector and transferring it to the e.coli cells. Positive cells are screened, cultured, and induced to express the Tnni1 protein. The protein carries a N-terminal 10xHis-Flag tag and C-terminal Myc tag. The cells are lysed to collect the recombinant Mouse Tnni1 protein, which is purified through affinity purification and then identified using SDS-PAGE and subsequent staining of the gel with Coomassie Brilliant Blue. The purity of the resulting recombinant Mouse Tnni1 protein exceeds 85%.
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.