Recombinant Rabbit Troponin T, cardiac muscle (TNNT2)

Product Code	CSB-EP024016RB-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P09741
Product Type	Recombinant Protein
Immunogen Species	Oryctolagus cuniculus (Rabbit)
Purity	>85% (SDS-PAGE)
Sequence	SDLEEVVEE YEEEQEAEEA AAEEEDWRED EDEQEAGEEE EAGGGREAEA ETEETQAEED GQEEEDKEDE DGPVEESKPK PRPFMPNLVP PKIPDGERVD FDDIHRKRME KDLNELQTLI EAHFENRKKE EEELVSLKDR IEKRRADAEQ LRIRAEREKE RQNRLAEERA RREEEESRRK AEDEARKKKA LSNMMHFGGY IQKQAQTERK SGKRQTEREK KKKILAERRK VLAIDHLNED QLREKAKELW QSIYNLEAEK FDLQEKFKQQ KYEINVLRNR INDNQKVSKT RGKAKVTGRW K
Source	E.coli
Target Names	TNNT2
Protein Names	Recommended name: Troponin T, cardiac muscle Short name= TnTc Alternative name(s): Cardiac muscle troponin T Short name= cTnT
Expression Region	2-301
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 the tropomyosin-binding subunit of the troponin complex, which is located on the thin filament of striated muscles and regulates muscle contraction in response to alterations in intracellular calcium ion concentration. Mutations in this gene have been associated with familial hypertrophic cardiomyopathy as well as with dilated cardiomyopathy. Transcripts for this gene undergo alternative splicing that results in many tissue-specific isoforms, however, the full-length nature of some of these variants has not yet been determined.
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.