



Recombinant Human Titin (TTN), partial

Product Code	CSB-EP025267HU1(F6)
Relevance	Key component in the assembly and functioning of vertebrate striated muscles. By providing connections at the level of individual microfilaments, it contributes to the fine balance of forces between the two halves of the sarcomere. The size and extensibility of the cross-links are the main determinants of sarcomere extensibility properties of muscle. In non-muscle cells, it is thought to play a role in chromosome condensation and chromosome segregation during mitosis. It might link the lamina network to chromatin or nuclear actin, or both during interphase.
Abbreviation	Recombinant Human TTN protein, partial
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.	Q8WZ42
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	VFKCSVIGIPTPEVKWYKEYMCIEPDNIKYVISEEKGSHLTKIRNVCLSDSATYR CRAVNCVGEAICRGFLTMGDSEIFAVIAKKSKVTLSSLMEELVLKSNYTDSFFE FQVVEGPPRFIKGISDCYAPIGTAAYFQCLVRGSPRPTVYWYKDGKLVQGRRF TVEESGTGFHNLFITSLVKSDEGEYRCVATNKSGMAESFAALTLT
Research Area	Cardiovascular
Source	E.coli
Target Names	TTN
Expression Region	5398-5604aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	26.5kDa
Protein Length	Partial of Isoform 6
Image	

