Recombinant Human TCAP Protein, His-tagged

Cat. No. TCAP-414H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TCAP protein, fused to His tag at N-terminus, was expressed in E. coli.
Species	Human
Source	E.coli
Description	Sarcomere assembly is regulated by the muscle protein titin. Titin is a giant elastic protein with kinase activity that extends half the length of a sarcomere. It serves as a scaffold to which myofibrils and other muscle related proteins are attached. This gene encodes a protein found in striated and cardiac muscle that binds to the titin Z1-Z2 domains and is a substrate of titin kinase, interactions thought to be critical to sarcomere assembly. Mutations in this gene are associated with limb-girdle muscular dystrophy type 2G. [provided by RefSeq, Jul 2008].
Form	25 mM Tris, pH 8.0, 150 mM NaCl, 10 % glycerol, 1 % Sarkosyl.
Molecular Mass	18.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	titin-cap [Homo sapiens]
Official Symbol	TCAP
Synonyms	CMD1N; CMH25; LGMD2G; T-cap; TELE; telethonin
Gene ID	8557
mRNA Refseq	NM_003673.3
Protein Refseq	NP_003664.1
MIM	604488
UniProt ID	O15273

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