

Recombinant Human MYOM2 Protein, His-tagged

Cat. No. MYOM2-799H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYOM2(Pro1130~Ser1434) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Pro1130~Ser1434
Description	The giant protein titin, together with its associated proteins, interconnects the major structure of sarcomeres, the M bands and Z discs. The C-terminal end of the titin string extends into the M line, where it binds tightly to M-band constituents of apparent molecular masses of 190 kD and 165 kD. The predicted MYOM2 protein contains 1,465 amino acids. Like MYOM1, MYOM2 has a unique N-terminal domain followed by 12 repeat domains with strong homology to either fibronectin type III or immunoglobulin C2 domains. Protein sequence comparisons suggested that the MYOM2 protein and bovine M protein are identical.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	38.4kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 98%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	MYOM2 myomesin (M-protein) 2, 165kDa [Homo sapiens]
Official Symbol	MYOM2
Synonyms	MYOM2; myomesin (M-protein) 2, 165kDa; myomesin (M protein) 2 (165kD); myomesin-2; M-protein; M-band protein; myomesin family member 2; 165 kDa titin-associated protein; titin-associated protein, 165 kD; 165 kDa connectin-associated protein; TTNAP;
Gene ID	9172
mRNA Refseq	NM_003970
Protein Refseq	NP_003961
MIM	603509

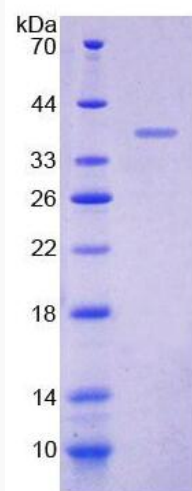
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