

Recombinant Human MYPN Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MYPN-797H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MYPN MS Standard C13 and N15-labeled recombinant protein (NP_115967) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Striated muscle in vertebrates comprises large proteins which must be organized properly to contract efficiently. Z-lines in striated muscle are a sign of this organization, representing the ends of actin thin filaments, titin, nebulin or nebulin and accessory proteins required for structure and function. This gene encodes a protein which interacts with nebulin in skeletal muscle or nebulin in cardiac muscle and alpha-actinin. In addition, this gene product can interact with a protein with the I-band indicating it has a regulatory as well as structural function. Alternative splicing results in multiple transcript variants.
Molecular Mass	145.1 kDa
AA Sequence	MQDDSIEASTSISQLLRESYLAETRHRGNERSRAEPSSNPCHFGSPSGAAEGGGG QDDLPLDLSAFLSQEELDES VN LARLAINYDPLEKADETQARKRLSPDQMKHSPNLSF EPNFCQDNPRSPTSSKESPQEA KR PQYCSETQSKK VFLNKAADFIEELSSLFKSHSS KRIRPRACKNHKSKLESQNKVMQENSSSFSDLERRERSSVPIPIPADTRDNEVNHA LEQQEAKRREA EQAASEAAGGDTPGSSPSSLYE EPLGQPPRFTQKLRSREVPE

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GTRVQLDCIVVGIPPPQVRWYCEGKELENSPDIHIVQAGNLHSLTIAEAFEEDTGRYS
 CFASNIYGTDSTSAEIIYIEGVSSSDSEGDPNKEEMNRIQKPNEVSSPPTTSAVIPPAV
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 EQPPKPKLEGVLVNHNEPRSSSRIGLRVHFNLPEDDKGSEASSEAGVVTRQTRPD
 SFQERFNGQATKTPEPSSPVKEPPPVLAKPKLDSTQLQQLHNQVLEQHQQLQNPPP
 SSPKEFPNMTVLNSNAPPAVTTSNKQVKAPSSQTFSLARPKYFFPSTNTTAATVAP
 SSSPVFTLSSTPQTIQRTVSKESELLVSHPSVQTKSPGGLSIQNEPLPPGTEPTPPPF
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 PSQGLAKKNTKSPQPVNDDNIRETKNAVIRDLGKKITFSVDRPNQQEYKISSFEQRL
 MNEIEFRLERTPVDESDDDEIQHDEIPTGKCIAPIFDKRLKHFRVTEGSPVFTCKIVGIP
 VPKVYWFKDGKQISKRNEHCKMRREGDGTCSLHIESTTSDDDGNYTIMAANPQGRI
 SCSGHLMVQSLPIRSRLTSAGQSHRGRSRVQERDKEPLQERFFRPHFLQAPGDMV
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 DAGTYKCIATNKTGQNSFSLELSVVAKEVKKAPVILEKLQNCVPEGHPVRLECRVI
 GMPPPVFYWKDNETIPCTRERISMHQDTTGYACLLIQPAKKSDAGWYTLAKNEA
 GIVSCTARLDIYAQWHHQIPPPMSVVRPSGSRYSGLTSKGLDIFSAFSSMESTMVYSC
 SSRSVVEDELTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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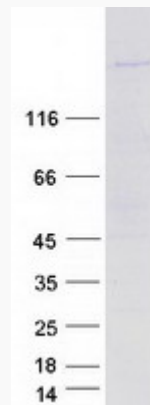
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GENE INFORMATION

Gene Name	MYPN myopalladin [Homo sapiens (human)]
Official Symbol	MYPN
Synonyms	MYPN; myopalladin; MYOP; sarcomeric protein myopalladin; 145 kDa; sarcomeric protein myopalladin, 145 kDa (MYOP);
Gene ID	84665
mRNA Refseq	NM_032578
Protein Refseq	NP_115967
MIM	608517
UniProt ID	Q86TC9

SDS-PAGE



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