

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	MQDDSIEASTSISQLLRESYLAETRHRGNNSRAEPSSNPCHFGSPSGAAEGGGG QDDLPLDLSAFLSQEELDESVNLARLAINYDPLEKADETQARKRLSPDQMKHSPNLSF EPNFCQDNPRSPTSSKESQPQAKRPQYCSETQSKKVFLNKAADFIEELSSLFKSHSS KRIRPRACKNHKSKLESQNKVMQENSSSFSDLSERRERSSVPIPIPADTRDNEVNHA LEQQEAKRREAQAASEAAGGDTTPGSSPSSLYEELPLGQPPRFTQKLRSREVPE

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GTRVQLDCIVVGIPPPQVRWYCEGKELENSPDIHIVQAGNLHSLTIAEAFEEDTGRYS
 CFASNIYGT DSTSAEIYIEGVSSSDSEGDPNKEEMNRIQKPNEVSSPPTTSAVIPPV
 PQAQHLVAQPRVATIQQCQSPTNYLQGLDGKPIIAAPVFTKMLQNLSASEGQLVVFE
 CRVKGAPSPKVEWYREGTLIEDSPDFRILQKKPRSMAPPEEICTLVIAEVFAEDSGCF
 TCTASNKYGT VSSIAQLHVRGNEDLSNNGSLHSANSTTNLAAIEPQSPPHSEPPSV
 EQPPKPKLEGVLVNHNEPRSSSRIGLRVHFNLPEDDKGSEASSEAGVVTTRQTRPD
 SFQERFNGQATKTPEPSSPVKEPPPV LAKPKLDSTQLQQLHNQVLLEQHQLQNPPP
 SSPKEFPFNMTVLNSNAPPAVTTSNKQVKAPSSQTFSLARPKYFFPSTNTTAATVAP
 SSSPVFTLSSTPQTIQRTVSKESLLVSHPSVQTKSPGGLSIQNEPLPPGPTEPTPPPF
 TFSIPRGNQFQPRCVSPIVSPTSRIQNPVAFLLSSVLP SLPAIPPTNAMGLPRSAPSM
 PSQGLAKKNTKSPQPVNDDNIRETKNAVIRDLGKKITFSDVRPNQQEYKISSFEQRL
 MNEIEFRLERTPVDESDDDEIQHDEIPTGKCIAPIFDKRLKHFRVTEGSPVTFTCKIVGIP
 VPKVYWFKDQKQISKRNEHCKMRREGDGTCSLHIESTTSDDDGNYTIMAANPQGRI
 SCSGHLMVQSLPIRSRLTSAGQSHRGRSRVQERDKEPLQERFFRPFLQAPGDMV
 AHEGRLCRLDCKVSGLPPELTWLLNGQPVLDPASHKMLVRETGVHSLLDPLTQR
 DAGTYKCIATNKTGQNSFSLELSVVAKEVKKAPVILEKLQNCGVPEGHPVRLECRVI
 GMPPPVFYWKDNETIPCTRERISMHQDTTGYACLLIQPAKKSDAGWYTL SAKNEA
 GIVSCTARLDIYAQWHHQIPPPMSVRPSGSRYSLSKGLDIFSAFSSMESTMVYSC
 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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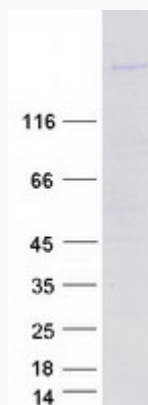
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GENE INFORMATION

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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