

Product datasheet for PH313189

MYPN (NM_032578) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MYPN MS Standard C13 and N15-labeled recombinant protein (NP_115967)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213189
Predicted MW:	145.1 kDa
Protein Sequence:	>RC213189 representing NM_032578 Red=Cloning site Green=Tags(s)

MQDDSI EASTSISQLLRESYLAETRHRGNERSRAEPSSNPCHFGSPSGAAEGGGQDDL PDL SAFLSQE
ELDESVNLARLAINYDPLEKADETQARKRLSPDQMKHSPNLSFEPNFCQDNPRSPSSKESPEAKRPQY
CSETQSKKVFLNKAADFIEELSSLFKSHSKRIRPRACKNHKSKLESQNKVMQENSSSFSDLSERRERS
VPIPIPADTRDNEVNHAEQQEAKRREAQAASEAAGDTPGSSPSSLYEEPLGQPPRFTQKLRSREV
PEGTRVQLDCIVVGIPPPQVRWYCEGKELENSPDIHIVQAGNLHSLTIAEAFEEDTGRYSCFASNIYGT
STSAEIIYIEGVSSDSEGDPNKEEMNRIQKPNEVSSPPTTSAVIPPAPVQAQHLVAQPRVATIQQCQSPT
NYLQGLDGKPIIAAPVFTKMLQNL SASEGQLVVFECRVKGAPSPKVEWYREGTLIEDSPDFRILQKKPRS
MAPEEICTLVIAEVFAEDSGCFTCTASNKYGTVSSIAQLHVRGNEDLSNNGSLHSANSTTNLAAIEPQP
SPPHSEPPSVEQPPKPKLEGVLVNHNEPRSSRIGLRVHFNLPEDDKGSEASSEAGVVTTRQTRPDSFQE
RFNGQATKTPEPSSPVKEPPPVLA KP KLDSTQLQQLHNQVLLLEQHQLQNPSSPKEFPFNMTVLNSNAP
PAVTTSNKQVKAPSSQTFSLARPKYFFPSTNTTAA TVAPSSSPVFTLSSTPQTIQRTVSKESLLVSHPSV
QTKSPGGLSIQNEPLPPGPTPTPPPTFSIPRGNQFQPRCVSIPVSPTSRIQNPVAFSSVLPSPAI
PPTNAMGLPRSAPSMPSQGLAKKNTKSPQPVNDDNIRETKNAVIRDLGKKITFSDVRPNQEQYKISSFEQ
RLMNEIEFRLERTPVDESDDIEQHDEIPTGKCIAPIDKRLKHFRVTEGSPVFTTCKIVGIPVPKYVWFK
DGKQISKRNEHCKMRREGDGTCSLHIESTSDDDGNYTIMAANPQGRISCSGHLMVQSLPIRSRLTSAGQ
SHRGRSRVQERDKEPLQERFFRPHFLQAPGDMVAHEGRLCRLDCKVSGLPPELTWLLNGQPVLPDASHK
MLVRETGVHSLIDPLTQRDAGTYKCIATNKTGQNSFSLELSVVAKEVKKAPVILEKLQNCQVPEGHPVR
LECRVIGMPPPVFYWKDNETIPCTRERISMHQDTTGYACLLIQPAKSDAGWYTL SAKNEAGIVSCTAR
LDIYAQWHHQIPPPMSVRPSGSRYGSLTSKGLDIFSAFSSMESTMVYSCSSRSVSVESDEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

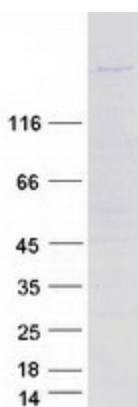
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method



[View online »](#)

Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_115967
RefSeq Size:	5707
RefSeq ORF:	3960
Synonyms:	CMD1DD; CMH22; MYOP; NEM11; RCM4
Locus ID:	84665
UniProt ID:	Q86TC9
Cytogenetics:	10q21.3
Summary:	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. [provided by RefSeq, Dec 2011]

Product images:



Coomassie blue staining of purified MYPN protein (Cat# [TP313189]). The protein was produced from HEK293T cells transfected with MYPN cDNA clone (Cat# [RC213189]) using MegaTran 2.0 (Cat# [TT210002]).