

Product datasheet for PH308548

PPP1R16A (NM_032902) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PPP1R16A MS Standard C13 and N15-labeled recombinant protein (NP_116291)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208548
Predicted MW:	57.6 kDa
Protein Sequence:	>RC208548 representing NM_032902 Red=Cloning site Green=Tags(s)

MAEHLELLAEMPMVGRMSTQERLKHAQKRRRAQQVKMWAQAEKEAQGKKGPERPRKEAASQGLLKQVLFPSVVLLEAAARNDL EEVRQFLGSGVSPDLANEDGLTALHQCCIDDFREMVQQLLEAGANINACDSECWTP LHA AATCGHLHLVELLIASGANLLAVNTDGNMPYDLCDDEQTLDCLETAMADRGITQDSIEAARAVPELR MLDDIRSRLQAGADLHAPLDHGATLLHVA AANGFSEAAALLLEHRASLSAKDQDGWEPLHAAAYWGQVPL VELLVAHGADLNAKSLMDETPLDVCGDEEVRAKLELKHKHDALLRAQSRQRSLRRRTSSAGSRGKVVR RVSLTQRTDLYRKQHAQEAIWVQQPPPTSPEPPEDNDRQTGAELRPPPPPEEDNPEVVRPHNGRVGGSPV RHLYSKRLDRSVSYQLSPLDSTTPHTLVHDKAHHTLADLKRQRAAAKLQRPPEGPESPETAEPGLPGDT VTPQPCGFRAGGDPPLKLTAPAVEAPVERRPCLLM

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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
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_116291
RefSeq Size:	2326
RefSeq ORF:	1584

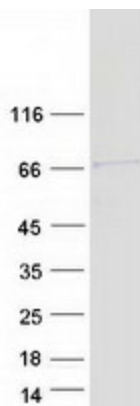


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Synonyms: MYPT3
Locus ID: 84988
UniProt ID: [Q96I34](#)
Cytogenetics: 8q24.3

Summary: Myosin light chain kinase and phosphatase (MLCP) complexes control the phosphorylation states of regulatory myosin light chains, which is crucial for muscle and intracellular movement. MLCPs typically contain a catalytic protein phosphatase 1 (PP1c) subunit, a myosin phosphatase targeting (MYPT) subunit, and another smaller subunit. The protein encoded by this gene represents an MYPT subunit, which is responsible for directing PP1c to its intended targets. However, while the phosphorylation of other MYPT members results in PP1c inactivation, phosphorylation of the encoded protein by protein kinase A results in PP1c activation. [provided by RefSeq, Jan 2020]

Product images:



Coomassie blue staining of purified PPP1R16A protein (Cat# [TP308548]). The protein was produced from HEK293T cells transfected with PPP1R16A cDNA clone (Cat# [RC208548]) using MegaTran 2.0 (Cat# [TT210002]).