

Product datasheet for PH322917

MYO6 (NM_004999) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MYO6 MS Standard C13 and N15-labeled recombinant protein (NP_004990)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222917
Predicted MW:	149.2 kDa
Protein Sequence:	>RC222917 representing NM_004999 Red=Cloning site Green=Tags(s)

MEDGKPVWAPHPTDGFQMGNIVDIGPDSLTIIEPLNQKGTFLALINQVFPAEEDSKKDVEDNCSMLYLN
ATLLHNIKVRYSKDRIYTYVANILIAVNPYFDIPKIYSSEAIKSYQGKSLGTRPPHVFAIADKAFRDMKV
LKMSQSIIVSGESGAGKTENTKFLVRLYTESYGTQDIDDRIVEANPLLEAFGNAKTVRNNSSRFKGFV
EIHFNKSSVVGGFVSHYLLEKSRICVQKGEERNYHIFYRLCAGASEDIREKHLHSSPDNFRYLRNGCTR
YFANKETDKQILQNRKSPEYLKAGSMKDPDLLDDHGDFIRMCTAMKKIGLDDEEKLDLFRVVAGVLHLGNI
DFEEAGSTSGGCNLKNKSAQSLEYCAELLGLDQDDLRSVLTTRVMLTTAGGKTGTVIKVPVKVEQANNAR
DALAKTVYSHLFDHVVNRVNQCFFETSSYFVGLDIAGFEYFEHNSFEQFCINYCNEKLQQFFNERILK
EEQELYQKEGLGVNEVHYVDNQDCIDLIEAKLVGILDILDEENRPLQPSDQHFSAVHQKHKDFRLTIP
RKSKLAVHRNIRDDEGFIIRHFAGAVCYETTQFVEKNNDALHMSLES LICESRDKFIREL FESSTNNKND
TKQKAGKLSFISVGNKFKTQLNLLLDKLRSTGASFIRCIKPNLKMTHHFEGAQILSQLQCSGMVSVLDL
MQGGYPSRASHELNYMYKYPDKLARLDPRLFCKALFKALGLNENDYKFGLTGVVFRPGKFAEFDQIM
KSDPDHLAELVKRVNHWLTCRWKQVQWCSLSVIKLNKIKYRAEACIKMQKTIRMWLCRRHKPRIDGL
VKVGTLLKRLDKFNEVSVLKDGPENMKQIKNLEISIDTLMAKIKSTMMTQEIQKEYDALVKSSEELL
SALQKKKQEEEEAERLRRIQEEMEKERKRREDEKRRRKEEEEERRMKLEMEAKRKQEEEEERKKREDEKR
IQAEVEAQLARQKEEESQQQAVLEQERRDRELALRIAQSEAEISDEAQAADLALRRNDGTRPKMTPEQMA
KEMSEFLSRGPVLAATKAAAGTKKYDLKWKYAEALRDTINTSCDIELLAACREEFHRRLLKVVYHAWKSKNK
KRNTETEQRAPKSVTDYDFAPFLNNSPQQNPAQIPARQREIEMNRQRFRIPIFIRPADQYKDPQSKKK
GWWYAHFDGPWIARQMELHPDKPPILLVAGKDDMEMCELNLEETGLTRKRGAEILPRQFEEIWERCGGIQ
YLQNAIESRQARPTYATAMLQSLK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

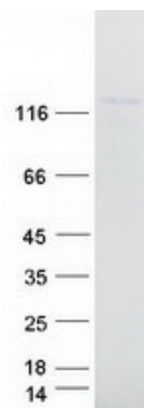
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method



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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_004990
RefSeq Size:	8662
RefSeq ORF:	3855
Synonyms:	DFNA22; DFNB37
Locus ID:	4646
UniProt ID:	Q9UM54
Cytogenetics:	6q14.1
Summary:	This gene encodes a reverse-direction motor protein that moves toward the minus end of actin filaments and plays a role in intracellular vesicle and organelle transport. The protein consists of a motor domain containing an ATP- and an actin-binding site and a globular tail which interacts with other proteins. This protein maintains the structural integrity of inner ear hair cells and mutations in this gene cause non-syndromic autosomal dominant and recessive hearing loss. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2014]

Product images:



Coomassie blue staining of purified MYO6 protein (Cat# [TP322917]). The protein was produced from HEK293T cells transfected with MYO6 cDNA clone (Cat# [RC222917]) using MegaTran 2.0 (Cat# [TT210002]).