

Product datasheet for TP322917L

MYO6 (NM_004999) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human myosin VI (MYO6), 1 mg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC222917 representing NM_004999
Red=Cloning site Green=Tags(s)

MEDGKPVWAPHPTDGFQMGNIVDIGPDSLIEPLNQKGKTFALINQVFPAAEEDSKKDVEDNCSLMYLN
 ATLLHNIKVRYSKDRIYTYVANILIAVNPYFDIPKIYSSEAIKSYQGKSLGTRPPHVFAIADKAFRDMKV
 LKMSQSIIVSGESGAGKTENTKFLVRLTESYGTGQDIDDRIVEANPLLEAFGNAKTVRNNNSSRFKGFV
 EIHFNKSSVGGFVSHYLLEKSRICVQGKEERNYHIFYRLCAGASEDIREKLHLSPPDNFRYLNRGCTR
 YFANKETDKQILQNRKSPEYLKAGSMKDPDLLDDHGDFIRMCTAMKKIGLDDEEKLDLFRVVAGVLHLGNI
 DFEEAGSTSGGCNLKNKSAQSLEYCAELLGLDQDDLRLVSLTTRVMLTTAGGKGTVIKVPKVEQANNAR
 DALAKTVYSHLFDHVNRVNQCFFETSSYFIGVLDIAGFEYFEHNSFEQFCINYCNEKLQQFFNERILK
 EEQELYQKEGLGVNEVHYVDNQDCIDLIEAKLVGILDILDEENRQPQSDQHFTSAVHQKHKDHFRILTIP
 RKSCLAVHRNIRDDEGFIRHFAGAVCYETTQFVEKNNDALHMSLES LICESRDKFIRELFESSTNNKND
 TKQKAGKLSFISVGNKFKTQLNLLLDKLRSTGASFIRCIPNLKMTSHHFEGAQILSQLQCSGMVSVL DL
 MQGGYPSRASFHLYNMYKKYMPDKLARLDPRLFCKALFKALGLNENDYKFGLTKVFFRPGKFAEFDQIM
 KSDPDHLAELVKRVNHWTCSRWKKVQWCSLSVIKLNKIKYRAEACIKMQKTIRMWLCRRRHKPRIDGL
 VKVGTLLKRLDKFNEVSVLKDGPPEMNKQIKNLEISIDTLMAKIKSTMMTQEIQKEYDALVKSSELL
 SALQKKKQEEEEAERLRRIQEEMEKERKRREDEKRRRKEEEERRMKLEMEAKRKQEEERKKREDDEKR
 IQAEVEAQLARQKEEESQQAVLEQERRDRELALRIAQSEALISDEAQADLALRRNDGTRPKMTPEQMA
 KEMSEFLSRGPAVLATKAAAGTKKYDLSKWYAELRDTINTSCDIELLAACREEFHRRLLKVYHAWKSKNK
 KRNTETEQRAPKSVTDYDFAPFLNNSPQQNPAAQIPARQREIEMNRQQRFFRIPFIRPADQYKDPQSKKK
 GWWYAHFDGPWIARQMELHPDKPILLVAGKDDMEMCELNLEETGLTRKRGAEILPRQFEEIWERCIGIQ
 YLQNAIESRQARPTYATAMLQSLK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

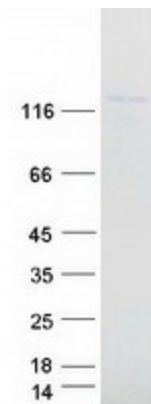
Tag: C-Myc/DDK
Predicted MW: 148.5 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method



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Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_004990
Locus ID:	4646
UniProt ID:	Q9UM54
RefSeq Size:	8662
Cytogenetics:	6q14.1
RefSeq ORF:	3855
Synonyms:	DFNA22; DFNB37
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]).