

Product datasheet for PH314978

KIF6 (NM_145027) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KIF6 MS Standard C13 and N15-labeled recombinant protein (NP_659464)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214978
Predicted MW:	92.4 kDa
Protein Sequence:	>RC214978 representing NM_145027 Red=Cloning site Green=Tags(s)
	MVKQTIQIFARVKPPVRKHQQGIYSIDEDKLIPLSLEIILPRDLADGFVNNKRESYKFKFQRFIDQDANQ ETVFENIAKPVAGSVLAGYNGTIFAYGQTGSGKTFTITGGAERYSDRGIIPRTL SYIFEQLQKDS SKIYT THISYLEIYNECGYDLLDPRHEASSLEDLPKVTILEDPDQNIHLKNLTLHQATTEEEALNLLFLGDTNRM IAETPMNQASTRSHCIFTIHLSSKEPGSATVRHAKLHLVLAGSERVAKTGVGGHLLTEAKYINLSLHYL EQVIALSEKHRSHIPYRNSMMSVLRDSLGGNCMTTMIATLSLEKRNLDSEISTCRFAQRVALIKNEAV LNEEINPRLVIKRLQKEIQELKDELAMVTGEQRTEALTEAELLQLEKLITSFLEDQSDSRLEVGADMRK VHHCFHHLKLLNDKKILENNTVSSESKDQDCQEPLKEEYRKL RDILKQRDNEINILVNMLKKEKKAQ EALHLAGMDRREFRQSQSPFRLGNPEEQRMRLSSAPSQAQDFSILGKRSSLLHKKIGMREEMSLGCQE AFEIFKRDHADSVTIDDNKQILKQRFSEAKALGESINEARSKIGHLKEEITQRHIQQVALGISENMAVPL MPDQQEELRSQLEEEKRRYKTMFTRLKALKVEIEHLQLLMDKAKVKLQKEFEVWAAEATNLQVNSPAV NSLDHTKPFLLTSDSQHEWSQLLSNKSSGGWEVQDQGTGRFDVCDVNARKILPSPCSPHSQKQSSTSTP LEDSIPKRPVSSIPLTGDSQTDSDIIAFIKARQSI LQKQCLGSN
	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_659464



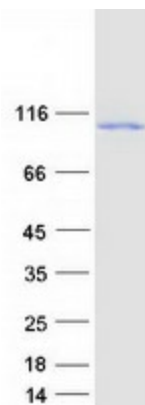
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RefSeq Size:	2917
RefSeq ORF:	2442
Synonyms:	C6orf102; dj137F1.4; dj188D3.1; dj1043E3.1
Locus ID:	221458
UniProt ID:	Q6ZMV9
Cytogenetics:	6p21.2

Summary: This gene encodes a member of a family of molecular motors which are involved in intracellular transport of protein complexes, membrane organelles, and messenger ribonucleic acid along microtubules. Kinesins function as homodimeric molecules with two N-terminal head domains that move along microtubules and two C-terminal tail domains that interact with the transported cargo, either directly or indirectly, through adapter molecules. This gene is ubiquitously expressed in coronary arteries and other vascular tissue. A naturally occurring mutation in this gene is associated with coronary heart disease. [provided by RefSeq, May 2017]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified KIF6 protein (Cat# [TP314978]). The protein was produced from HEK293T cells transfected with KIF6 cDNA clone (Cat# [RC214978]) using MegaTran 2.0 (Cat# [TT210002]).