

Product datasheet for TP309427M

KLC3 (NM_177417) Human Recombinant Protein

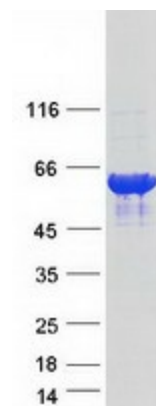
Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human kinesin light chain 3 (KLC3), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209427 protein sequence Red =Cloning site Green =Tags(s) MSVQVAAPGSAGLGPERLSPEELVRQTRQVVGLEALRAEHHGLAGHLAEALAGQGPAAGLEMLEEKQQ V VSHSLEAIELGLGEAQVLLALSAHVGAEAEKQRLRSQARRLAQENVWLREELEETQRRLRASEESVAQL EEEKRHLEFLGQLRQYDPPAESQQSESPPRRDSLALFPSEEEERKGPEAAGAAAAQQGGYEIPARLRTL HNLVIQYAGQGGRYEVAVPLCRQALEDLERSSGHCHPDVATMLNILALVYRDQNKYKEATDLLHDALQIRE QTLGPEHPAVAATLNNLAVLYGKRGYREAELCQRALEIREKVLGADHPDVAKQLNNLALLCQNQGKFE DVERHYARALSIYEALGGPHDPNVAKTKNNLASAYLKQNKYQQAEELYKEILHKEDLPAPLGAPNTGTAG DAEQALRRSSSLKIREsirrgSEKLVSRLRGEAAAGAAGMKRAMSLNTLNVDAPRAPGTQFPSWHLDKA PRTLSTASTQDLSPH TR TRPLE QKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	55.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
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.


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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_803136
Locus ID:	147700
UniProt ID:	Q6P597
RefSeq Size:	1793
Cytogenetics:	19q13.32
RefSeq ORF:	1512
Synonyms:	KLC2; KLC2L; KLCt; KNS2B
Summary:	This gene encodes a member of the kinesin light chain gene family. Kinesins are molecular motors involved in the transport of cargo along microtubules, and are composed of two kinesin heavy chain (KHC) and two kinesin light chain (KLC) molecules. KLCs are thought to typically be involved in binding cargo and regulating kinesin activity. In the rat, a protein similar to this gene product is expressed in post-meiotic spermatids, where it associates with structural components of sperm tails and mitochondria. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome

Product images:



Coomassie blue staining of purified KLC3 protein (Cat# [TP309427]). The protein was produced from HEK293T cells transfected with KLC3 cDNA clone (Cat# [RC209427]) using MegaTran 2.0 (Cat# [TT210002]).