

Product datasheet for **TP309427L**

KLC3 (NM_177417) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human kinesin light chain 3 (KLC3), 1 mg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC209427 protein sequence
Red=Cloning site **Green**=Tags(s)

MSVQVAAPGSAGLGPERSPEELVRQTRQVWQGLEALRAEHHGLAGHLAEALAGQGPAAGLEMLEEKQQV
VSHSLEAIELGLGEAQVLLALSAHVGAEAEKQRLRSQARRLAQENVWLRREELETQRRLRASEESVAQL
EEEKRHLFLGQLRQYDPPAESQQSESPRRDLSASLFPSEEEERKGPEAAGAAAAQQGGYEIPARLRTL
HNLVIQYAGQGRYEVAVPLCRQALEDLERSGGHCHPDVATMLNILALVYRDQNKYKEATDLLHDALQIRE
QTLGPEHPAVAATLNNLAVLYGKRGYREAEPQCRALEIREKVLGADHPDVAQLNNLALLCQNQGKFE
DVERHYARALSIYEALGGPHDPNVAKTKNNLASAYLKQNKYQQAEEELYKEILHKEDLPAPLGAPNTGTAG
DAEQALRRSSSLKIRESSIRRGSEKLVSRLRGEEAAGAAGMKRAMSLNTLNVDPAPRPGTQFPSWHLDKA
PRTLSASTQDLSPH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_803136](#)

Locus ID: 147700

UniProt ID: [Q6P59Z](#), [A0A024R0V3](#)

RefSeq Size: 1793

Cytogenetics: 19q13.32

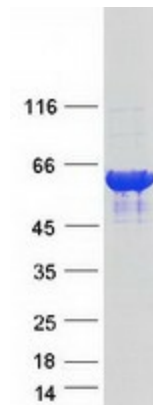
RefSeq ORF: 1512

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]).