

Recombinant Human KLC3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KLC3-3281H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KLC3 MS Standard C13 and N15-labeled recombinant protein (NP_803136) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	55.4 kDa
AA Sequence	MSVQVAAPGSAGLGPERLSPEELVRQTRQVVQGLEALRAEHHGLAGHLAEALAGQ GPAAGLEMLEEKQQVVSHSLEAIELGLGAEQVLLALSAHVGALEAEKQRLRSQARR LAQENVWLREELEETQRRLRASEESVAQLEEEKRHLEFLGQLRQYDPPAESQQSES PPRRDSLASLFPSEEEERKGPAAAGAAAQQGGYEIPARLRTLHNLVIQYAGQGGRY EVAVPLCRQALEDLERSSSGHCHPDVATMLNILALVYRDQNKYKEATDLLHDALQIRE QTLGPEHPAVAATLNNLAVLYGKRGRYREAEPQCRALEIREKVLGADHPDVAKQL

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NNLALLCQNQGKFEDVERHYARALSIYEALGGPHDPNVAKTKNNLASAYLKQNKYQ
 QAEELYKEILHKEDLPAPLGAPNTGTAGDAEQALRRSSSLSKIRESIRRGSEKLVSR
 RGEAAAGAAGMKRAMSLNLTNVDAPRAPGTQFPSWHLDKAPRTLSASTQDLSPHT
 RTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name KLC3 kinesin light chain 3 [Homo sapiens (human)]

Official Symbol KLC3

Synonyms KLC3; kinesin light chain 3; KLC2L; KLCt; KNS2B; kinesin light chain 2; KLC2;

Gene ID 147700

mRNA Refseq NM_177417

Protein Refseq NP_803136

MIM 601334

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UniProt ID

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