



Recombinant Human Kinesin light chain 3 (KLC3)

Product Code	CSB-BP012381HU
Abbreviation	KLC3
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q6P597
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MSVQVAAPGS AGLGPERLSP EELVRQTRQV VQGLEALRAE HHGLAGHLAE ALAGQGPAAG LEMLEEKQQV VSHSLEAIEL GLGEAQVLLA LSAHVGALEA EKQRLRSQAR RLAQENVWLR EELEETQRRL RASEESVAQL EEEKRHLEFL GQLRQYDPPA ESQQSESPPR RDSLASLFPS EEEERKGPEA AGAAAAQQGG YEIPARLRTL HNLVIQYAGQ GRYEVAVPLC RQALEDLERS SGHCHPDVAT MLNILALVYR DQNKYKEATD LLHDALQIRE QTLGPEHPAV AATLNNLAVL YGKRGRYREA EPLCQRALEI REKVLGADHP DVAKQLNNLA LLCQNQGKFE DVERHYARAL SIYEALGGPH DPNVAKTKNN LASAYLKQNK YQQAEEELYKE ILHKEDLPAP LGAPNTGTAG DAEQALRRSS SLSKIRE SIR RGSEKLVSR L RGEAAAGAAG MKRAMSLNTL NVDAPRAPGT QFPSWHLDKA PRTLSASTQD LSPH
Source	Baculovirus
Target Names	KLC3
Protein Names	Recommended name: Kinesin light chain 3 Alternative name(s): KLC2-like kinesin light chain 2
Expression Region	1-504
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.