

Recombinant Human KLC3 Protein, His-tagged

Cat. No. KLC3-2367H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KLC3 Protein (Met1-Arg306) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Arg306
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 37.3 kDa Accurate Molecular Mass: 40 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

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
UniProt ID	Q6P597

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