

## Recombinant Human KLC3 Protein, His-tagged

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

### SPECIFICATION

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

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<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	KLC3 kinesin light chain 3 [ Homo sapiens (human) ]
<b>Official Symbol</b>	KLC3
<b>Synonyms</b>	KLC3; kinesin light chain 3; KLC2L; KLCT; KNS2B; kinesin light chain 2; KLC2;
<b>Gene ID</b>	147700
<b>mRNA Refseq</b>	NM_177417
<b>Protein Refseq</b>	NP_803136
<b>MIM</b>	601334
<b>UniProt ID</b>	Q6P597

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