

Recombinant Human KLC3 cell lysate

Cat. No. KLC3-937HCL Lot. No. (See product label)

SPECIFICATION

Species

Human

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.

Size

100 ul

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Applications

Western Blot;

GENE INFORMATION

Gene Name

KLC3 kinesin light chain 3 [Homo sapiens]

Official Symbol

KLC3

Synonyms

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

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Gene ID	147700
mRNA Refseq	NM_177417
Protein Refseq	NP_803136
MIM	601334
UniProt ID	Q6P597
Chromosome Location	19q13
Pathway	Factors involved in megakaryocyte development and platelet production, organism-specific biosystem; Hemostasis, organism-specific biosystem; Kinesins, organism-specific biosystem; Salmonella infection, organism-specific biosystem; Salmonella infection, conserved biosystem;
Function	binding; cardiolipin synthase activity; kinesin binding; microtubule binding; microtubule motor activity;

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