Recombinant Human Clathrin, Light Chain B, His-tagged

Cat. No. CLTB-6968H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CLTB protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-211aa
Description	CLTB belongs to the clathrin light chain family. Clathrin is a protein that plays a major role in the formation of coated vesicles. It forms a triskelion shape composed of three clathrin heavy chains and three light chains. When the triskelia interact they form a polyhedral lattice that surrounds the vesicle. Coat-proteins, like clathrin, are used to build small vesicles in order to safely transport molecules between cells.
Form	Liquid. In 20 mM Tris-HCl buffer, pH8.0, 10% glycerol, 0.2mM PMSF, 100mM NaCl.
Molecular Mass	25.6 kDa (234aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher).
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMADDFGF FSSSESGAPE AAEEDPAAAF LAQQESEIAG IENDEGFGAP AGSHAAPAQP GPTSGAGSED MGTTVNGDVF QEANGPADGY AAIAQADRLT QEPESIRKWR EEQRKRLQEL DAASKVTEQE WREKAKKDLE EWNQRQSEQV EKNKINNRAS EEAFVKESKE ETPGTEWEKV AQLCDFNPKS SKQCKDVSRL RSVLMSLKQT PLSR

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Purity	>85% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	CLTB clathrin, light chain B [Homo sapiens]
Official Symbol	CLTB
Synonyms	CLTB; clathrin, light chain B; clathrin, light polypeptide (Lcb); clathrin light chain B; Lcb; clathrin, light chain (Lcb); LCB;
Gene ID	1212
mRNA Refseq	NM_001834
Protein Refseq	NP_001825
MIM	118970
UniProt ID	P09497
Chromosome Location	5q35.2
Pathway	Arf1 pathway, organism-specific biosystem; Bacterial invasion of epithelial cells,

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	organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; Endocrine and other factor-regulated calcium reabsorption, organism-specific biosystem; Endocrine and other factor-regulated calcium reabsorption, conserved biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem;
Function	peptide binding; protein binding; structural molecule activity;

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