9051 Mira Mesa Blvd, #910094
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CLTB Human

Clathrin, Light Chain B Human Recombinant
RCP0465

Product Overview

Name	CLTB Human
Description	
Clathrin, Light Chain B Human Recombinant	
Accession (Primary)	P09497
Synonyms	
Clathrin light chain B, Lcb, CLTB.	
Introduction	
Clathrin light chain B (CLTB) is a member of the clathrin light chain family. Clathrin is a protein that has a key role in the formation of coated vesicles. CLTB functions as the key structural component of the lattice-type cytoplasmic face of coated pits and vesicles which capture certain macromolecules during receptor-mediated endocytosis. CLTB forms a triskelion form comprised of 3 clathrin heavy chains and 3 light chains. When the triskelia interact they form a polyhedral pattern which encircles the vesicle. CME (Clathrin-mediated endocytosis) controls numerous cellular physiological processes such as the internalization of growth factors and receptors, entry of pathogens, and synaptic transmission.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
CLTB protein solution (1mg/ml) containing 20mM Tris-HCl buffer, pH8.0, 10% glycerol, 0.2mM PMSF and 100mM NaCl.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MADDFGF FSSSESGAPE AAEEDPAAAF LAQQESEIAG IENDEGFGAP	

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AGSHAAPAQP GPTSGAGSED MGTTVNGDVF QEANGPADGY AAIAQADRLT QEPESIRKWR EEQRKRLQEL DAASKVTEQE WREKAKKDLE EWNQRQSEQV EKNKINNRAS EEAFVKESKE ETPGTEWEKV AQLCDFNPKS SKQCKDVSRL RSVLMSLKQT PLSR.

Precautions

CLTB Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P09497)