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32-3554: CLTB Recombinant Protein

Alternative Name : Clathrin light chain B,Lcb,CLTB.

Description

Source : Escherichia Coli. CLTB Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 234 amino acids (1-211 a.a) and having a molecular mass of 25.6kDa (Molecular size on SDS-PAGE will appear higher).CLTB is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	20 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	CLTB protein solution (1mg/ml) containing 20mM Tris-HCl buffer, pH8.0, 10% glycerol, 0.2mM PMSF and 100mM NaCl.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMADDFGF FSSSESGAPE AAEEDPAAAF LAQQESEIAG IENDEGFGAP AGSHAAPAQP GPTSGAGSED MGTTVNGDVF QEANGPADGY AAIAQADRLT QEPESIRKWR EEQRKRLQEL DAASKVTEQE WREKAKKDLE EWNQRQSEQV EKNKINNRAS EEAFVKESKE ETPGTEWEKV AQLCDFNPKS SKQCKDVSRL RSVLMSLKQT PLSR.