

Product datasheet for PH324622

Clathrin light chain (CLTB) (NM_007097) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CLTB MS Standard C13 and N15-labeled recombinant protein (NP_009028)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224622
Predicted MW:	25 kDa
Protein Sequence:	>RC224622 representing NM_007097 Red=Cloning site Green=Tags(s) MADDFGFFSSSEGAPEAAEEDPAAAFLLAQESEIAGIENDEGFGAPAGSHAAPAQP GPTSGAGSEDMGT TVNGDVFQEANGPADGYAAIAQADRLTQEPESIRKWREEQRKRLQELDAASKVTEQEWREKAKKDLEEWN QRQSEQVEKNKINNRIADKAFYQQPDADIIGYVASEEAFVKESKEETPGTEWEKVAQLCDFNPKSSKQCK DVSRLRSVLMMLKQTPLSR TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_009028
RefSeq Size:	1184
RefSeq ORF:	687
Synonyms:	LCB
Locus ID:	1212
UniProt ID:	P09497



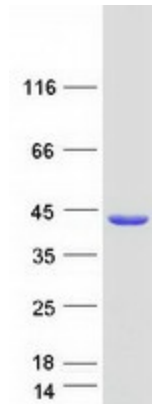
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Cytogenetics: 5q35.2

Summary: Clathrin is a large, soluble protein composed of heavy and light chains. It functions as the main structural component of the lattice-type cytoplasmic face of coated pits and vesicles which entrap specific macromolecules during receptor-mediated endocytosis. This gene encodes one of two clathrin light chain proteins which are believed to function as regulatory elements. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2008]

Protein Pathways: Endocytosis, Huntington's disease, Lysosome

Product images:



Coomassie blue staining of purified CLTB protein (Cat# [TP324622]). The protein was produced from HEK293T cells transfected with CLTB cDNA clone (Cat# [RC224622]) using MegaTran 2.0 (Cat# [TT210002]).