Recombinant Human CLP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CLP1-5007H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CLP1 MS Standard C13 and N15-labeled recombinant protein (NP_006822) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the Clp1 family. The encoded protein is a multifunctional kinase which is a component of the tRNA splicing endonuclease complex and a component of the pre-mRNA cleavage complex II. This protein is implicated in tRNA, mRNA, and siRNA maturation. Mutations in this gene are associated with pontocerebellar hypoplasia type 10 (PCH10). Alternatively splice transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	47.6 kDa
AA Sequence	MGEEANDDKKPTTKFELERETELRFEVEASQSVQLELLTGMAEIFGTELTRNKKFTF DAGAKVAVFTWHGCSVQLSGRTEVAYVSKDTPMLLYLNTHTALEQMRRQAEKEEE RGPRVMVVGPTDVGKSTVCRLLLNYAVRLGRRPTYVELDVGQGSVSIPGTMGALYI ERPADVEEGFSIQAPLVYHFGSTTPGTNIKLYNKITSRLADVFNQRCEVNRRASVSG CVINTCGWVKGSGYQALVHAASAFEVDVVVVLDQERLYNELKRDLPHFVRTVLLPK SGGVVERSKDFRRECRDERIREYFYGFRGCFYPHAFNVKFSDVKIYKVGAPTIPDSC LPLGMSQEDNQLKLVPVTPGRDMVHHLLSVSTAEGTEENLSETSVAGFIVVTSVDLE

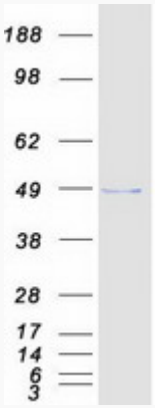
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	HQVFTVLSPAPRPLPKNFLLIMDIRFMDLKTRTRPLEQKLISEEDLAANDILDYKDDDD KV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CLP1 cleavage factor polyribonucleotide kinase subunit 1 [Homo sapiens (human)]
Official Symbol	CLP1
Synonyms	CLP1; cleavage factor polyribonucleotide kinase subunit 1; HEAB; hClp1; polyribonucleotide 5'-hydroxyl-kinase Clp1; ATP/GTP-binding protein; cleavage and polyadenylation factor I subunit 1; homolog of yeast CFIA subunit Clp1p; polyadenylation factor Clp1; polynucleotide kinase Clp1; pre-mRNA cleavage complex II protein Clp1; EC 2.7.1.78
Gene ID	10978
mRNA Refseq	NM_006831
Protein Refseq	NP_006822

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MIM	608757
UniProt ID	Q92989
SDS-PAGE	

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