

Recombinant Human CTU2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CTU2-1073H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CTU2 MS Standard C13 and N15-labeled recombinant protein (NP_001012777) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein which is involved in the post-transcriptional modification of transfer RNAs (tRNAs). The encoded protein plays a role in thiolation of uridine residue present at the wobble position in a subset of tRNAs, resulting in enhanced codon reading accuracy. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	56.1 kDa
AA Sequence	MCQVGEDYGEPAPEEPPAPRPSREQKCVKCKEAQPVVVIRAGDAFCRDCFKAFY VHKFRAMLGKNRLIFPGKEKVLAWSGGPSSSSMVWQVLEGLSQDSAKRLRFVAGVI FVDEGAACGQSLEERSKTLAEVKPILQATGFPWHVVALEEVSFLPPSVLWCSAQEL VGSEGAYKAAVDSFLQQQHVLGAGGGPGPTQGEEQPPQPPLDPQNLARPPAPAQ TEALSQFCSVRTLTAKHEELQTLRTHLILHMARAHGYSKVMTGDSCTRLAIKLMTNL ALGRGAFLAWDTGFSDERHGDVVVVRPMRDHTLKEVAFYNRLFSVPSVFTPAVDTK APEKASIHRLMEAFILRLQTQFPSTVSTVYRTSEKLVKGPDRDGAAGDSGPRCLLCM CALDVDAADSATAFGAQTSSRLSQMQSPIPLTETRTPPGPCCSPGVGWAQRCGQG

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ACRREDPQACIEEQLCYSCRVMKDLPSLDPLPPYILAEQLRTQRAWGLQEIRDCL
IEDSDDEAGQSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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	CTU2 cytosolic thiouridylase subunit 2 [Homo sapiens (human)]
Official Symbol	CTU2
Synonyms	CTU2; cytosolic thiouridylase subunit 2; MFRG; NCS2; UPF0432; C16orf84; cytoplasmic tRNA 2-thiolation protein 2; cytosolic thiouridylase subunit 2 homolog
Gene ID	348180
mRNA Refseq	NM_001012759
Protein Refseq	NP_001012777
MIM	617057

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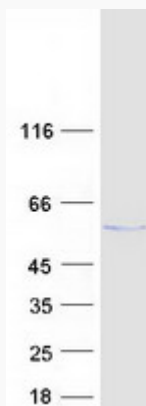
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UniProt ID

Q2VPK5

SDS-PAGE

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