

Product datasheet for PH311052

CTU2 (NM_001012759) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CTU2 MS Standard C13 and N15-labeled recombinant protein (NP_001012777)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211052
Predicted MW:	56.1 kDa
Protein Sequence:	>RC211052 protein sequence Red =Cloning site Green =Tags(s)

MCQVGEDYGEPAPEEPPAPRPSREQKCVKCKEAQPVVIRAGDAFCRDCKAFYVHKFRAMLGKNRLIF
 PGEKVLLAWSGGPSSSMVQVLEGLSQDSAKRLRFVAGVIFVDEGAACQSLEERSKTLAEVKPILQAT
 GFPWHVVALEEVFSLPPSVLWCSAQELVGSEGAYKAAVDSFLQQQHVLGAGGGPGPTQGEEQPPQPLDP
 QNLARPPAPAQTEALSQLFCSVRTLTAKEELLQTLRTHLILHMARAHGYSKVMTGDSCTRLAIKLMTNLA
 LGRGAFLAWDTGFSDERHGDVVVRPMRDHTLKEVAFYNRLFVPSVFTPAVDTKAPEKASIHRLMEAFI
 LRLQTQFPSTVTVYRTSEKLKVGPRDGAAGDSGPRCLLCMCALDVDAADSATAFGAQTSSRLSQMQSP
 IPLTETRTPPGCCSPGVGWAQRCGQGACRREDPQACIEEQLCYSCRVMKDLPSLDPLPPYILAEQLR
 TQRAWGLQEIRDCLIEDSDDEAGQS

TRTRPLEQKLISEEDLANDILDYKDDDDKV

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	<u>NP_001012777</u>
RefSeq Size:	1740
RefSeq ORF:	1545


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Synonyms:	C16orf84; MFRG; NCS2; UPF0432
Locus ID:	348180
UniProt ID:	<u>Q2VPK5</u>
Cytogenetics:	16q24.3
Summary:	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. [provided by RefSeq, Jan 2016]

Product images:



Coomassie blue staining of purified CTU2 protein (Cat# [TP311052]). The protein was produced from HEK293T cells transfected with CTU2 cDNA clone (Cat# [RC211052]) using MegaTran 2.0 (Cat# [TT210002]).