

Product datasheet for PH304989

C22orf28 (RTCB) (NM_014306) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	C22orf28 MS Standard C13 and N15-labeled recombinant protein (NP_055121)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204989
Predicted MW:	55.2 kDa
Protein Sequence:	>RC204989 protein sequence Red=Cloning site Green=Tags(s)

MSRSYNDELQFLEKINKNCWRIKKGFVPMNQVEGVFYVNDALEKLMFEELRNACRGGGVGGFLPAMKQIG
NVAALPGIVHRISIGLPDVHSGYGFAIGNMAAFDMNDPEAVVSPGGVGFDCINGVRLLRNLDES DVQPVK
EQLAQAMFDHIPVGVGSKGVIPMNAKDLEEALMGVDWLSREGYAWAEDKEHCEEYGRMLQADPNKVSAR
AKKRGLPQLGTLGAGNHYAEIQVDEIFNEYAAKMGIDHKGQVCVMIHSGSRGLGHQVATDALVAMEKA
MKRDKIIVNDRQLACARIASPEGQDYLKGMAGNYAWVNRSSMTFLTRQAFKVFNTTPDDLHLHVIYD
VSHNIAKVEQHVVVGKERTLLVHRKGSTRAFPPHPLIAVDYQLTGQPVLI GGTMGTCSYVLTGTEQGMT
ETF GTTCHGAGRALSRAKSRRLDFQDVLDKLADMGIAIRVASPKLVMEEAPE SYKNVTDVVNTCHDAGI
SKKAIKLRPIAVIKG

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:	<u>NP_055121</u>
RefSeq Size:	2081
RefSeq ORF:	1515



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Synonyms: C22orf28; DJ149A16.6; FAAP; HSPC117

Locus ID: 51493

UniProt ID: [Q9Y3I0](#)

Cytogenetics: 22q12.3

Summary: Catalytic subunit of the tRNA-splicing ligase complex that acts by directly joining spliced tRNA halves to mature-sized tRNAs by incorporating the precursor-derived splice junction phosphate into the mature tRNA as a canonical 3',5'-phosphodiester. May act as an RNA ligase with broad substrate specificity, and may function toward other RNAs. [UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified RTCB protein (Cat# [TP304989]). The protein was produced from HEK293T cells transfected with RTCB cDNA clone (Cat# [RC204989]) using MegaTran 2.0 (Cat# [TT210002]).