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Product datasheet for PH302229

HCE (RNGTT) (NM_003800) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RNGTT MS Standard C13 and N15-labeled recombinant protein (NP_003791)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202229
Predicted MW:	68.4 kDa
Protein Sequence:	>RC202229 representing NM_003800 Red=Cloning site Green=Tags(s) MAHNKIPPRWLNCPRRGQPVAGRFLPLKTMLGPRYDSQVAEENRFHPSMLSNYLKSLKVKMGLLVDLTNT SRFYDRNDIEKEGIKYIKLQCKGHGECPTTENTETFIRLCERFNERNPPELIGVHCTHGFNRTGFLICAF LVEKMDWSIEAAVATFAQARPPGIYKGDYLKELFRRYGDIEEAPPPPLLPDWCFEDDEDEDEDEDGKKES EPGSSASFGKRRKERLKLGAIFLEGVTVKGVTQVTTQPKLGEVQQKCHQFCGWEGSGFPGAQPVSMDKQN IKLLDLKPYKVSWKADGTRYMMLIDGTNEVFMIDRDNSVFHVSNLEFPFRKDLRMHLSNTLLDGEMIIDR VNGQAVPRYLIYDIIKFNSQPVGDCDFNVRLQCIEREIISPRHEKMKTGLIDKTQEPFSVRNKPFFDICT SRKLLEGNFAKEVSHEMDGLIFQPTGKYKPGRCDDILKWKPPSLNSVDFRLKITRMGGEGLLPQNVGLLY VGGYERPFAQIKVTKELKQYDNKIIECKFENNSWVFMRQRTDKSFPNAYNTAMAVCNSISNPVTKEMLFE FIDRCTAASQGQKRKHHLDPDTELMPPPPPKRPHPLT TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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_003791
RefSeq Size:	4460
RefSeq ORF:	1791

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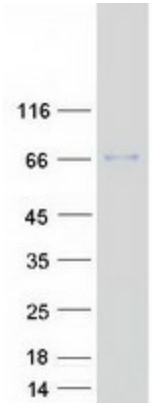
Synonyms:	CAP1A; hCAP; HCE; HCE1
Locus ID:	8732
UniProt ID:	O60942, Q7Z3R6
Cytogenetics:	6q15
Summary:	Bifunctional mRNA-capping enzyme exhibiting RNA 5'-triphosphatase activity in the N-terminal part and mRNA guanylyltransferase activity in the C-terminal part. Catalyzes the first two steps of cap formation: by removing the gamma-phosphate from the 5'-triphosphate end of nascent mRNA to yield a diphosphate end, and by transferring the gmp moiety of GTP to the 5'-diphosphate terminus.[UniProtKB/Swiss-Prot Function]
Protein Families:	Druggable Genome, Phosphatase

Product images:



Coomassie blue staining of purified RNGTT protein (Cat# [TP302229]). The protein was produced from HEK293T cells transfected with RNGTT cDNA clone (Cat# [RC202229]) using MegaTran 2.0 (Cat# [TT210002]).