

Product datasheet for PH300815

RAMAC (NM_031452) Human Mass Spec Standard

Product data:

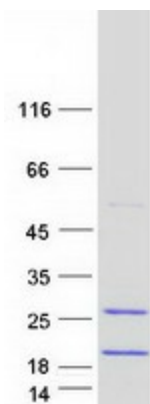
Product Type:	Mass Spec Standards
Description:	FAM103A1 MS Standard C13 and N15-labeled recombinant protein (NP_113640)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200815
Predicted MW:	14.4 kDa
Protein Sequence:	>RC200815 protein sequence Red=Cloning site Green=Tags(s) MTDTAEAVPKFEEMFASRFTENDKEYQEYLKRPPESPPIVEEWN SRAGGNQRNRGNRLQDNRQFRGRDNR WGWPSDNRSNQWHGRSWGNNYPQHRQEPYYPQQYGHYGYNQRPYPGY 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_113640
RefSeq Size:	1588
RefSeq ORF:	354
Synonyms:	C15orf18; FAM103A1; HsT19360; RAM; RAMMET
Locus ID:	83640
UniProt ID:	Q9BTL3
Cytogenetics:	15q25.2



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Summary:

Regulatory subunit of the mRNA-capping methyltransferase RNMT:RAMAC complex that methylates the N7 position of the added guanosine to the 5'-cap structure of mRNAs (PubMed:22099306, PubMed:27422871). Promotes the recruitment of the methyl donor, S-adenosyl-L-methionine, to RNMT (PubMed:27422871). Regulates RNMT expression by a post-transcriptional stabilizing mechanism (PubMed:22099306). Binds RNA (PubMed:22099306). [UniProtKB/Swiss-Prot Function]

Product images:

Coomassie blue staining of purified RAMAC protein (Cat# [TP300815]). The protein was produced from HEK293T cells transfected with RAMAC cDNA clone (Cat# [RC200815]) using MegaTran 2.0 (Cat# [TT210002]).