

## Product datasheet for PH300036

### HSPC152 (TRMT112) (NM\_016404) Human Mass Spec Standard

#### Product data:

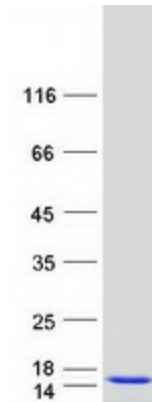
Product Type:	Mass Spec Standards
Description:	TRMT112 MS Standard C13 and N15-labeled recombinant protein (NP_057488)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200036
Predicted MW:	14.2 kDa
Protein Sequence:	>RC200036 protein sequence Red=Cloning site Green=Tags(s)  MKLLTHNLLSSHVRGVGSRGFPLRLQATEVRICPVEFNPNFVARMIPKVEWSAFLEAADNLRLIQVPKGP VEGYEENEFLRMTMHLLLEVEVIEGTLQCPESGRMFPIISRGIPNMLLSEETES  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:	<a href="#">NP_057488</a>
RefSeq Size:	1305
RefSeq ORF:	375
Synonyms:	HSPC152; HSPC170; hTrm112; TRM112; TRMT11-2
Locus ID:	51504
UniProt ID:	<a href="#">Q9UI30</a> , <a href="#">A0A024R565</a>
Cytogenetics:	11q13.1



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**Summary:**

Acts as an activator of both rRNA/tRNA and protein methyltransferases (PubMed:25851604). Together with methyltransferase BUD23, methylates the N(7) position of a guanine in 18S rRNA (PubMed:25851604). The heterodimer with HEMK2/N6AMT1 catalyzes N5-methylation of ETF1 on 'Gln-185', using S-adenosyl L-methionine as methyl donor (PubMed:18539146). The heterodimer with ALKBH8 catalyzes the methylation of 5-carboxymethyl uridine to 5-methylcarboxymethyl uridine at the wobble position of the anticodon loop in target tRNA species (PubMed:20308323). Involved in the pre-rRNA processing steps leading to small-subunit rRNA production (PubMed:25851604).[UniProtKB/Swiss-Prot Function]

**Product images:**

Coomassie blue staining of purified TRMT112 protein (Cat# [TP300036]). The protein was produced from HEK293T cells transfected with TRMT112 cDNA clone (Cat# [RC200036]) using MegaTran 2.0 (Cat# [TT210002]).