

Product datasheet for PH300028

METTL9 (NM_016025) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	METTL9 MS Standard C13 and N15-labeled recombinant protein (NP_057109)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200028
Predicted MW:	32.4 kDa
Protein Sequence:	>Peptide sequence encoded by RC200028 Blue=ORF Red=Cloning site Green=Tag(s) MTSGPGGPA AAAAGGRKENHQWYVCNREKLCESLQAVFVQS YLDQGTQIFLNNSIEKSGWLF IQLYHSFV SSVFSLFMSRTSINGLLGRGSMFVSPDQFQRLKINPDWKTHRLLDLGAGDGEVTKIMSPHFEEIYAT ELSETMIWQLQKKKYRVLGINWQNTGFQYDVISCLNLLDRCDQPLTLLKDIRSVLEPTRGRVILALVL PFHPYVENVGGKWEKPSEILEIKGQNWEEQVNSLPEVFRKAGFVIEAFTRLPYLCEGDMYNDYYVLLDDA VFVLKPV 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:	NP_057109
RefSeq Size:	3267
RefSeq ORF:	954
Synonyms:	CGI-81; DREV; DREV1; PAP1
Locus ID:	51108
UniProt ID:	Q9H1A3

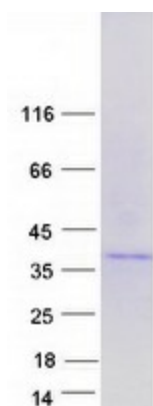


[View online »](#)

Cytogenetics: 16p12.2

Summary: Protein-histidine N-methyltransferase that specifically catalyzes 1-methylhistidine (pro-methylhistidine) methylation of target proteins (PubMed:33563959). Mediates methylation of proteins with a His-x-His (HxH) motif (where 'x' is preferably a small amino acid) (PubMed:33563959). Catalyzes methylation of target proteins such as S100A9, NDUFB3, SLC39A5, SLC39A7, ARMC6 and DNAJB12; 1-methylhistidine modification may affect the binding of zinc and other metals to its target proteins (PubMed:33563959). Constitutes the main methyltransferase for the 1-methylhistidine modification in cell (PubMed:33563959). [UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified METTL9 protein (Cat# [TP300028]). The protein was produced from HEK293T cells transfected with METTL9 cDNA clone (Cat# [RC200028]) using MegaTran 2.0 (Cat# [TT210002]).