

Product datasheet for PH318283

METTL9 (NM_001077180) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	METTL9 MS Standard C13 and N15-labeled recombinant protein (NP_001070648)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218283
Predicted MW:	36.5 kDa
Protein Sequence:	>RC218283 protein sequence Red=Cloning site Green=Tags(s)
	<p>MRLLAGWLCLSLASVWLARRMWTLSPLTRSLYVNMTSGPGPAAAAGGRKENHQWYVCNREKLCESLQA VYVQSYLDQGTQIFLNNSIEKSGWLFIQLYHSFVSSVFLFMSRTSINGLLGRGSMFVFSDFQFQRLKLI NPDWKTHRLDLGAGDGEVTKIMSPHFEEIYATELSETMIWQLQKKYRVLGINWQNTGFQYDVISCLN LLDRCDQPLTLLKDIRSVLEPTRGRVILALVLPFHPYVENVGGKWEKPSEILEIKQONWEEQVNSLPEVF RKAGFVIEAFTRLPYLCEGDMYNDYYVLDLDAVFLKPV</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_001070648
RefSeq Size:	3264
RefSeq ORF:	954
Synonyms:	CGI-81; DREV; DREV1; PAP1
Locus ID:	51108



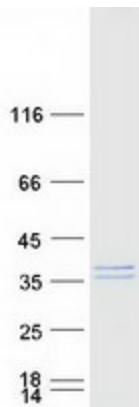
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UniProt ID: [Q9H1A3](#)

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# [TP318283]). The protein was produced from HEK293T cells transfected with METTL9 cDNA clone (Cat# [RC218283]) using MegaTran 2.0 (Cat# [TT210002]).