

Product datasheet for **TP321362M**

KIAA0859 (METTL13) (NM_015935) Human Recombinant Protein

Product data:

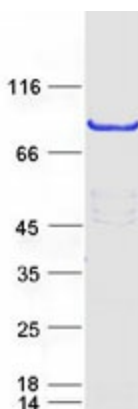
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human methyltransferase like 13 (METTL13), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221362 protein sequence Red =Cloning site Green =Tags(s)
	MNLLPKSSREFGSVDYWEKFFQQRGKKAFFEWYGTYLELCGVLHKYIKPREKVLVIGCGNSELSEQLYDVG YRDIVNIDISEVVIKQMKECNATRRPQMSFLKMDMTQMEFPDASFQVLDKGTLDVLTDEEEKTLQQVD RMLAEVGRVLQVGGRYLCISLAQAHLKKAVGHFSREGWMVRVHQVANSQDQVLEAEPQFSLPVFAFIM T KFRPVPGSALQIFELCAQEQRKPVRLSAERLAEAVQERQQYAWLCSQLRRKARLGSVSLDLCDGDTGEP RYTLHVVDSPVTKPSRDNHFAIFIIPQGRETEWLFGMDEGRKQLAASAGFRRLITVALHRGQQYESMDHI QAELSARVMELAPAGMPTQQQVPFLSVGGDIGVRTVQHQCSPLSGDYVIEDVQGDDKRYFRRLIFLSNR NVVQSEARLLKDVSHKAQKKRKKDRKKQRPADAEDLPAAPGQSIDKSYLCCEHHKAMIAGLALLRNPELL LEIPLALLVGLGGGSLPLFVHDHFPKSCIDAVEIDPSMLEVATQWFGFSQSDRMKVHIADGLDYIASLA GGGEARPCYDVMFDVDSKDPTLGMSCPPPAFVEQSFLQKVKSILTPEGVFILNLVCRDLGLKDSVLAGL KAVFPLLYVRRIEGEVNEILFCQLHPEQKLATPELLETAQALERTLRKPGRGWDDTYVLSDDLKTKIV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	78.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_057019
Locus ID:	51603
UniProt ID:	Q8N6R0
RefSeq Size:	3421
Cytogenetics:	1q24.3
RefSeq ORF:	2097
Synonyms:	5630401D24Rik; CGI-01; DFNB26; DFNB26M; DFNM1; feat; KIAA0859; METTL13
Summary:	Dual methyltransferase that catalyzes methylation of elongation factor 1-alpha (EEF1A1 and EEF1A2) at two different positions, and is therefore involved in the regulation of mRNA translation (PubMed:30612740, PubMed:30143613). Via its C-terminus, methylates EEF1A1 and EEF1A2 at the N-terminal residue 'Gly-2' (PubMed:30143613). Via its N-terminus dimethylates EEF1A1 and EEF1A2 at residue 'Lys-55' (PubMed:30612740, PubMed:30143613). Has no activity towards core histones H2A, H2B, H3 and H4 (PubMed:30612740). [UniProtKB/Swiss-Prot Function]
Protein Families:	Druggable Genome

Product images:



Coomassie blue staining of purified EEF1AKNMT protein (Cat# [TP321362]). The protein was produced from HEK293T cells transfected with EEF1AKNMT cDNA clone (Cat# [RC221362]) using MegaTran 2.0 (Cat# [TT210002]).