

Datasheet for ABIN7560117

**METTL13 Protein (AA 1-698) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	METTL13
Protein Characteristics:	AA 1-698
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This METTL13 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Mettl13 Protein expressed in mammalian cells.
Sequence:	MNLLPKSSKE FGSADYWEKF FQQRGKTAFE WYGTYLELCE VLHKYIKPKE KVLVIGCGNS ELSEQLYDVG YQDIVNIDIS EVVIKQMKER NGSRRPHMSF LKMDMTQLEF PDATFQVWLD KGTLDVAVLTD EEEVTLRQVD RMLAEVGRVL QVGGRYLCIS LAQAHILKKA VGHFSREGWM VRAHQVASSQ DRVSEAEPRF SLPVFAFVMT KFRPVPGSAL QIFELCTQEQ GKPVRLESAD QLAEAVRERQ YYAWLCSQLR RKAGLGSVSL DLCSGDTGEP RYTLHVVDNP AVKPSRDNHF AIFIIPQGRE TEWLFMEEG RKQLAASAGF RRLVTVALHR GQRYAGMESI QAELSARVME LAPAGLPPQQ QVPFLSVGGD IGVRTVQHGD HSALSGDYVI EDVQGEDRWY FRRLIFLSNR NVVQSEARLL KDTSHRAQKK RKKDRKKQRP ADTSEDFPPA PGQSIDKSYL CCEHHKAMVA GLALLRNPEL LLETPLTLV VGLGGGSLPL FVHDHFPKSR IDAVEIDPTM LEVATQWFGF SQSDRMKVHI ADGLDYITSL AGEAPPHYDV IMFDVDSKDP TLGMSCPPPA FVDQVFLQKV KSILCHDGVF ILNLVCRDVR LKDSVLAGLK AAFPLLYVRR IEDEVNEILF CQLHPEQKLA TPELLEMAQV LERTLRKPGQ GWDDTYVLSD MLKTVKIV <b>Sequence without tag. The proposed</b>

**Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

## Target Details

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Target: METTL13

Alternative Name: Mettl13 ([METTL13 Products](#))

Background: EEF1A lysine and N-terminal methyltransferase (eEF1A-KNMT) (Methyltransferase-like protein 13) [Includes: eEF1A lysine methyltransferase (EC 2.1.1.-), eEF1A N-terminal methyltransferase (EC 2.1.1.-)],FUNCTION: 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 (By similarity). Via its C-terminus, methylates EEF1A1 and EEF1A2 at the N-terminal residue 'Gly-2' (By similarity). Via its N-terminus dimethylates EEF1A1 and EEF1A2 at residue 'Lys-55' (By similarity). Has no activity towards core histones H2A, H2B, H3 and H4 (By similarity). Negatively regulates cell proliferation at G1/S transition via

## Target Details

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transcriptional suppression of cell cycle regulatory genes such as CDK4 and CDK6 (By similarity). {ECO:0000250|UniProtKB:Q8N6R0}.

Molecular Weight: 78.8 kDa

UniProt: [Q91YR5](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months