

METTL16 Active Protein

METTL16, Active

CATALOG #
AAA73178

HOST
Sf9 insect cells

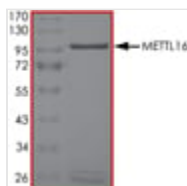
PRODUCT SYNONYMS

METTL16; Active; METT10D; MGC3329; METTL16 active protein

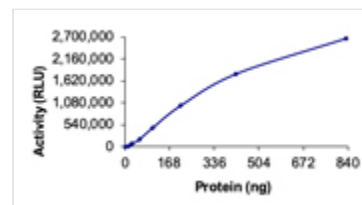
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol
Species	Human
Tag	GST
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



Purity Data
Sample Purity Data.



Specific Activity
Sample Activity Plot.

ADDITIONAL INFORMATION

Related Product Information for METTL16 active protein	Recombinant full-length human METTL16 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Overview: METTL16 (Methyltransferase-like protein 16) is an RNA N6-methyltransferase that methylates adenosine residues at the N6 position of a subset of RNAs. METTL16 methylates the 3' UTR of the SAM synthetase (MAT2A) mRNA and U6 snRNA (1,2), thereby regulating S-adenosylmethionine homeostasis as well as pre-mRNA splicing. These modifications on viral RNAs are believed to influence the expression of viral genes, the replication of virus and the generation of progeny virions (3).
Product Categories/Family for METTL16 active protein	Proteins; COVID-19 Proteins
References	- Shima, H. et al: S-Adenosylmethionine synthesis is regulated by selective N(6)-adenosine methylation and mRNA degradation involving METTL16 and YTHDC1. Cell Rep. 2017,21:3354-3363. - Warda, AS. et al: Human METTL16 is a N(6)-methyladenosine (m(6)A) methyltransferase that targets pre-mRNAs and various non-coding RNAs. EMBO Rep. 2017,18:2004-2014. - Dang, W. et al: N6-methyladenosine and viral infection. Front. Microbiol. 2019,10:417.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_024086
Molecular Weight	~98kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/sf9-insect-cells-active-protein/mettl16/73178>