

Datasheet for ABIN7549930

**METTL11A Protein (AA 1-223) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	METTL11A
Protein Characteristics:	AA 1-223
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This METTL11A protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant NTMT1 Protein expressed in mammalian cells.
Sequence:	MTSEVIEDEK QFYSAKTYW KQIPPTVDGM LGGYGHISSI DINSSRKFLQ RFLREGPNKT GTSCALDCGA GIGRITKRL LPLFREVD MV DITEDFLVQA KTYLGEEGKR VRNYFCCGLQ DFTPEPDSYD VIWIQWVIGH LTDQHAEFL RRCKGSLRPN GIIVIKDNMA QEGVILDDVD SSVCRDL DVV RRIICSAGLS LLAERQENL PDEIYHVYSF ALR <b>Sequence without tag. The proposed 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.</b>
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: <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li></ul>

## Product Details

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- 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.

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

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## Target Details

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Target:	METTL11A
Alternative Name:	NTMT1 ( <a href="#">METTL11A Products</a> )
Background:	<p>N-terminal Xaa-Pro-Lys N-methyltransferase 1 (EC 2.1.1.244) (Alpha N-terminal protein methyltransferase 1A) (Methyltransferase-like protein 11A) (N-terminal RCC1 methyltransferase) (X-Pro-Lys N-terminal protein methyltransferase 1A) (NTM1A) [Cleaved into: N-terminal Xaa-Pro-Lys N-methyltransferase 1, N-terminally processed],FUNCTION: Distributive alpha-N-methyltransferase that methylates the N-terminus of target proteins containing the N-terminal motif [Ala/Gly/Pro/Ser]-Pro-Lys when the initiator Met is cleaved. Specifically catalyzes mono-, di- or tri-methylation of the exposed alpha-amino group of the Ala, Gly or Ser residue in the [Ala/Gly/Ser]-Pro-Lys motif and mono- or di-methylation of Pro in the Pro-Pro-Lys motif. Some of the substrates may be primed by NTMT2-mediated monomethylation (PubMed:24090352). Catalyzes the trimethylation of the N-terminal Gly in CENPA (after removal of Met-1). Responsible for the N-terminal methylation of KLHL31, MYL2, MYL3, RB1, RCC1, RPL23A and SET. Required during mitosis for normal bipolar spindle formation and chromosome segregation via its action on RCC1. {ECO:0000269 PubMed:20481588, ECO:0000269 PubMed:20668449, ECO:0000269 PubMed:24090352, ECO:0000269 PubMed:26543159}.</p>

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## Target Details

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Molecular Weight: 25.4 kDa

UniProt: [Q9BV86](#)

## 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