

Datasheet for ABIN7559707

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

Overview

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|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | METTL11A |
| Protein Characteristics: | AA 1-223 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This METTL11A protein is labelled with His tag. |
| Application: | Western Blotting (WB), SDS-PAGE (SDS) |

Product Details

| | |
|------------------|--|
| Purpose: | Custom-made recombinat Ntmt1 Protein expressed in mammalien cells. |
| Sequence: | MTSEVIEDEK QFYSAKTYW KQIPPTVDGM LGGYGHISNI DLNSSRKFLQ RFLREGPNKT GTSCALDCGA GIGRITKRL LPLFRVDMV DVTEFLAKA KTYLGEEGKR VRNYFCCGLQ DFSPEPGSYD VIWIQWVIGH LTDQHAEFL RRCKRGLRPN GIIVIKDNMA QEGVILDDVD SSVCRDLEVV RRIIRTAGLS LLAERQENL PDEIYHVYSF ALR 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. |
| Characteristics: | Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalien cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and |

Product Details

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, Western Blot

Grade: custom-made

Target Details

Target: METTL11A

Alternative Name: Ntmt1 ([METTL11A Products](#))

Background: N-terminal Xaa-Pro-Lys N-methyltransferase 1 (EC 2.1.1.244) (Alpha N-terminal protein methyltransferase 1A) (Methyltransferase-like protein 11A) (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 (PubMed:20668449). Some of the substrates may be primed by NTMT2-mediated monomethylation. Catalyzes the trimethylation of the N-terminal Gly in CENPA (after removal of Met-1) (By similarity). 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 (PubMed:20668449). {ECO:0000250|UniProtKB:Q9BV86, ECO:0000269|PubMed:20668449}.

Molecular Weight: 25.4 kDa

UniProt: [Q8R2U4](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

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
