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Datasheet for ABIN7560768

**METTL18 Protein (AA 1-362) (His tag)**

## Overview

Quantity:	1 mg
Target:	METTL18
Protein Characteristics:	AA 1-362
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This METTL18 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Mettl18 Protein expressed in mammalien cells.
Sequence:	<p>MAFQFNFSIE EDLENKLTSL DDGTCVLESQ KGKQDKRQST ERPLPRDHS WKCSSLGNAAS SSEDTGSPPP IADRSDPEA CKHQPSWKPA KEHVMPKDVN HVLENTVLEM LPGPQHANTA VVKTVSLKEK FPGENIVSKS FSSHSDLIPG VYEGGLKIWE CTFDLLTYFT KAKVKFAGQK VLDLGCGSGL LGITASKGGA REVHFQDYNG LVIDEVTLPN VVANVPLQDD SNGKNEPDGK RQRKSEVGRE ICKCRLFSGE WAEFCKLVLR EKLFVKYDLI LTSETIYNPD YYSTLHETFL RLLSRSGRVL LASKAHYFGV GGGVHLFQKF VEEKGVFETR TLEVIDEGLK RFLMEMTFKH PS</p> <p><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></p>
Characteristics:	Key Benefits:

## Product Details

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- 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.

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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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## Target Details

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Target:	METTL18
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Alternative Name:	Mettl18 ( <a href="#">METTL18 Products</a> )
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Background:	Histidine protein methyltransferase 1 homolog (EC 2.1.1.85) (Methyltransferase-like protein 18),FUNCTION: Protein-L-histidine N-tele-methyltransferase that specifically monomethylates RPL3, thereby regulating translation elongation. Histidine methylation of RPL3 regulates translation elongation by slowing ribosome traversal on tyrosine codons: slower elongation provides enough time for proper folding of synthesized proteins and prevents cellular aggregation of tyrosine-rich proteins. {ECO:0000250 UniProtKB:O95568}.
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Molecular Weight:	40.4 kDa
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UniProt:	<a href="#">Q9CZ09</a>
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## Application Details

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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.
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## Application Details

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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