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Datasheet for ABIN7559465

**METTL5 Protein (AA 1-209) (His tag)**

## Overview

Quantity:	1 mg
Target:	METTL5
Protein Characteristics:	AA 1-209
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This METTL5 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Mettl5 Protein expressed in mammalian cells.
Sequence:	MKCLKLKELE SRLQEVDGFE KPKLLLEQYP TRPHIAACML YTIHNTYDDI ENKAVADLGC GCGVLSIGAA MLGAGLCVGF DIDEALEIF NKNVEEFELT NVDMIQCDVY SLSNRMSKLF DTVIMNPPFG TKNNKGTDMA FLKTALGMAR TAVYSLHKSS TREHIQKKA EWKVKIEIIA ELRYDLPALY NFHKKKSVDI EVDLIRFSF <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:	METTL5
Alternative Name:	Mettl5 ( <a href="#">METTL5 Products</a> )
Background:	RRNA N6-adenosine-methyltransferase METTL5 (EC 2.1.1.-) (Methyltransferase-like protein 5),FUNCTION: Catalytic subunit of a heterodimer with TRMT112, which specifically methylates the 6th position of adenine in position 1832 of 18S rRNA (PubMed:32783360, PubMed:35033535). N6-methylation of adenine(1832) in 18S rRNA resides in the decoding center of 18S rRNA and is required for translation and embryonic stem cells (ESCs) pluripotency and differentiation (PubMed:32783360, PubMed:32217665). {ECO:0000269 PubMed:32217665, ECO:0000269 PubMed:32783360, ECO:0000269 PubMed:35033535}.
Molecular Weight:	23.7 kDa
UniProt:	<a href="#">Q8K1A0</a>

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## 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.
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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