

Datasheet for ABIN7561884

Methyltransferase Like 23 (METTL23) (AA 1-253) protein (His tag)



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Overview

Quantity:	1 mg
Target:	Methyltransferase Like 23 (METTL23)
Protein Characteristics:	AA 1-253
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Purpose:	Custom-made recombinant Mettl23 Protein expressed in mammalian cells.
Sequence:	<p>MDSVRPRAPW APPDPASLD SPTCEPGLMA GTQLFRFREE PVPGGNRAVL EVRVPQVLHV</p> <p>QYGMVWPCA VVLAQYLWFH RRS LPGKAVL EVGAGVSLPG ILAAKCGAKV ILSDSSEFPH</p> <p>CLDICRQSCQ MNNLPQVEVV GLTWGHISKD ILSLPPQDII LGSDVFFEPE DFESILATVY</p> <p>FLMQKNPKVQ FWSTYQVRS DWSLEGLLYK WDMKCVHIPL ESFDADKEDI AESTLPGRHT</p> <p>VEMLIISFAK DSF 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.</p>
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:	<p>Key Benefits:</p> <ul style="list-style-type: none"> Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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.

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

Target Details

Target:	Methyltransferase Like 23 (METTL23)
Alternative Name:	Mettl23 (METTL23 Products)
Background:	Histone-arginine methyltransferase METTL23 (EC 2.1.1.319) (Methyltransferase-like protein 23),FUNCTION: Histone methyltransferase that dimethylates histone H3 at 'Arg-17', forming asymmetric dimethylarginine (H3R17me2a), leading to activate transcription via chromatin remodeling (PubMed:28930672). Maternal factor involved in epigenetic chromatin reprogramming of the paternal genome in the zygote: mediates H3R17me2a, promoting histone H3.3 incorporation in the male pronucleus, leading to TET3 recruitment and subsequent DNA demethylation (PubMed:28930672). {ECO:0000269 PubMed:28930672}.
Molecular Weight:	28.3 kDa
UniProt:	A2AA28

Application Details

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

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