

Datasheet for ABIN7560829
DIMT1 Protein (AA 1-313) (His tag)



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Overview

Quantity:	1 mg
Target:	DIMT1
Protein Characteristics:	AA 1-313
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DIMT1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Dimt1 Protein expressed in mammalian cells.
Sequence:	MPKAKSAASS RRRDRQEQR ELKRAGGLMF NTGIGQHILK NPLIVNSIID KAALRPTDVV LEVPGTGNM TVKLLEKAKK VVACELDPRL VAELHKRVQG TPLASKLQVL VGDVLKSDLP FFDACVANLP YQISSPFVFK LLLHRPFFRC AILMFQREFA LRLVAKPGDK LYCRLSINTQ LLARVDHLMK VGKNNFRPPP KVESSVRIE PKNPPPPINF QEWDGLVRIT FVRKNKTLISA AFKSSAVQQL LEKNYRIHCS VQNTVIPEDF SIADKIQQIL TSTGFSDKRA RSMDDDFIR LLHGFNAEGI HFS 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.
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:

Product Details

- 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.

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

Target Details

Target:	DIMT1
Alternative Name:	Dimt1 (DIMT1 Products)
Background:	Probable dimethyladenosine transferase (EC 2.1.1.183) (DIM1 dimethyladenosine transferase 1 homolog) (DIM1 dimethyladenosine transferase 1-like) (Probable 18S rRNA (adenine(1779)-N(6)/adenine(1780)-N(6))-dimethyltransferase) (Probable 18S rRNA dimethylase) (Probable S-adenosylmethionine-6-N',N'-adenosyl(rRNA) dimethyltransferase),FUNCTION: Specifically dimethylates two adjacent adenosines in the loop of a conserved hairpin near the 3'-end of 18S rRNA in the 40S particle. Involved in the pre-rRNA processing steps leading to small-subunit rRNA production independently of its RNA-modifying catalytic activity. Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre-rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre-ribosomal RNA by the RNA exosome. {ECO:0000250 UniProtKB:Q9UNQ2}.
Molecular Weight:	35.3 kDa
UniProt:	Q9D0D4

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
