

Datasheet for ABIN7544891
TRMT12 Protein (AA 1-448) (His tag)



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Overview

| | |
|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | TRMT12 |
| Protein Characteristics: | AA 1-448 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This TRMT12 protein is labelled with His tag. |
| Application: | Western Blotting (WB), SDS-PAGE (SDS) |

Product Details

| | |
|-----------|---|
| Purpose: | Custom-made recombinat TRMT12 Protein expressed in mammalian cells. |
| Sequence: | MRENVVSNM ERESGKPVAV VAVVTEPWFT QRYREYLQRQ KLFDTQHRVE KMPDG SVALP VLGETLPEQH LQELRNRVAP GSPCMLTQLP DPVPSKRAQG CSPAQKLCLE VSRWVEGRGV KWSAELEADL PRSWQRHGNL LLLSEDCFQA KQWKNLGPPEL WETVALALGV QRLAKRGRVS PDGTRTPAVT LLLGDHGWVE HVDNGIRYKF DVTQCMFSFG NITEKLRVAS LSCAGEVLVD LYAGIGYFTL PFLVHAGAAF VHACEWNPHA VVALRNNLEI NGVADRCQIH FGDNRKCLKS NIADRVLGL IPSSEEGWPI ACQVLRQDAG GILHIHQNVE SFPGKNLQAL GVSKEVEKEHW LYPQQITTNQ WKNGATRDSR GKMLSPATKP EWQRWAESAE TRIATLLQQV HGKPWKTKIL HIQPVKSYAP HVDHIVLDLE CCPCPSVG 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. |

Product Details

Characteristics:

Key Benefits:

- 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, Western Blot

Grade:

custom-made

Target Details

Target:

TRMT12

Alternative Name:

TRMT12 ([TRMT12 Products](#))

Background:

TRNA wybutosine-synthesizing protein 2 homolog (tRNA-yW-synthesizing protein 2) (EC 2.5.1.114) (tRNA(Phe) (4-demethylwyosine(37)-C(7)) aminocarboxypropyltransferase),FUNCTION: S-adenosyl-L-methionine-dependent transferase that acts as a component of the wybutosine biosynthesis pathway. Wybutosine is a hyper modified guanosine with a tricyclic base found at the 3'-position adjacent to the anticodon of eukaryotic phenylalanine tRNA. Catalyzes the transfer of the alpha-amino-alpha-carboxypropyl (acp) group from S-adenosyl-L-methionine to the C-7 position of 4-demethylwyosine (imG-14) to produce wybutosine-86. {ECO:0000269|PubMed:22761755}.

Molecular Weight:

50.2 kDa

UniProt:

[Q53H54](#)

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
