

Datasheet for ABIN7544376

THUMPD3 Protein (AA 1-507) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	THUMPD3
Protein Characteristics:	AA 1-507
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This THUMPD3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant THUMPD3 Protein expressed in mammalian cells.
Sequence:	MCDIEEATNQ LLDVNLHENQ KSVQVTESDL GSESELLVTI GATVPTGFEQ TAADEVREKL GSSCKISRDR GKIYFVISVE SLAQVHCLRS VDNLFVVVQE FQDYQFKQTK EEVLKDFEDL AGKLPWSNPL KVKINASFV KKKAKRKKIN QNSSKEKINN GQEVKIDQRN VKKEFTSHAL DSHILDYYEN PAIKEDVSTL IGDDLASCKD ETESSKEET EPQVLKFRVT CNRAGEKHCF TSNEAARDFG GAVQDYFKWK ADMTNFDVEV LLNIHDNEVI VGIALTEESL HRRNITHFGP TTLRSTLAYG MLRLCDPLPY DIIVDPMCGT GAIEGATE WSDCFHIAGD NNPLAVNRAA NNIASLLTKS QIKEGKPSWG LPIDAVQWDI CNLPLRTGSV DIIVTDLPGF KRMGSKKRNW NLYPACLREM SRVCTPTTGR AVLLTQDTKC FTKALSGMRH VWRKVDTVWV NVGGLRAAVY VLIRTPQAFV HPSEQDGERG TLWQCKE 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

Product Details

isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

THUMPD3

Alternative Name:

THUMPD3 ([THUMPD3 Products](#))

Background:

TRNA (guanine(6)-N2)-methyltransferase THUMP3 (EC 2.1.1.256) (THUMP domain-containing protein 3),FUNCTION: Methyltransferase which catalyzes the formation of N(2)-methylguanosine at position 6 in a broad range of tRNA substrates containing the characteristic 3'-CCA terminus of mature tRNAs (PubMed:34669960). Also catalyzes the formation of N(2)-methylguanosine at position 7 of tRNA(Trp) (PubMed:34669960). Requires the methyltransferase adapter protein TRM112 for tRNA methyltransferase activity (PubMed:34669960). {ECO:0000269|PubMed:34669960}.

Molecular Weight:

57.0 kDa

UniProt:

[Q9BV44](#)

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
