

Datasheet for ABIN7544344
THAP4 Protein (AA 1-577) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	THAP4
Protein Characteristics:	AA 1-577
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This THAP4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant THAP4 Protein expressed in mammalian cells.
Sequence:	MVICCAVNC SNRQGKGEKR AVSFHRFPLK DSKRLIQWLK AVQRDNWTPT KYSFLCSEHF TKDSFSKRLE DQHRLLKPTA VPSIFHLTEK KRGAGGHGRT RRKDASKATG GVRGHSSAAT SRGAAGWSPS SSGNPMAPKE SRRLKQAAALQ GEATPRAAQE AASQEQAAQA LERTPGDGLA TMVAGSQGKA EASATDAGDE SATSSIEGGV TDKSGISMDD FTTPPGSGACK FIGSLHSYSF SSKHTRERPS VPREPIDRKR LKKDVEPSCS GSSLGPKGL AQSPSSSLT ATPQKPSQSP SAPPADVTPK PATEAVQSEH SDASPM SINE VILSAGACK LIDSLHSYCF SSRQNK SQVC CLREQVEKKN GELKSLRQRV SRSDSQVRKL QEKLDLRRV SVPYPSSLLS PSREPPKMNP VVEPLSWMLG TWLSDPPGAG TYPTLQPFQY LEEVHISHVG QPMLNFSFNS FHPDTRKPMH RECGFIRLKP DTNKVAFVSA QNTGVVEVEE GEVNGQELCI ASHSIARISF AKEPHVEQIT RKFRLNSEGK LEQTVSMATT TQPMTQHLHV TYKKVTP 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

Product Details

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:**

- 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: THAP4

Alternative Name: THAP4 ([THAP4 Products](#))

Background: Peroxynitrite isomerase THAP4 (EC 5.99.-.-) (Ferric Homo sapiens nitrobindin) (Hs-Nb(III)) (THAP domain-containing protein 4),FUNCTION: Heme-binding protein able to scavenge peroxynitrite and to protect free L-tyrosine against peroxynitrite-mediated nitration, by acting as a peroxynitrite isomerase that converts peroxynitrite to nitrate. Therefore, this protein likely plays a role in peroxynitrite sensing and in the detoxification of reactive nitrogen and oxygen species (RNS and ROS, respectively). Is able to bind nitric oxide (NO) in vitro, but may act as a sensor of peroxynitrite levels in vivo, possibly modulating the transcriptional activity residing in the N-terminal region. {ECO:0000269|PubMed:30524950, ECO:0000269|PubMed:32295384}.

Molecular Weight: 62.9 kDa

Target Details

UniProt: [Q8WY91](#)

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