

Datasheet for ABIN7544252
TBXAS1 Protein (AA 1-533) (His tag)



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Overview

Quantity:	1 mg
Target:	TBXAS1
Protein Characteristics:	AA 1-533
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TBXAS1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TBXAS1 Protein expressed in mammalian cells.
Sequence:	MEALGFLKLE VNGPMVTVAL SVALLALLKW YSTSAFSRLE KLGLRHPKPS PFIGNLTFFR QGFWESQMEL RKLYGPLCGY YLGRRMFIVI SEPDMIKQVL VENFSNFTNR MASGLEFKSV ADSVLFLRDK RWEEVRGALM SAFSPEKLINE MVPLISQACD LLLAHLKRYA ESGDAFDIQR CYCNYTTDVV ASVAFGTPVD SWQAPEDPFV KHCKRFFEFC IPRPILVLLL SFPSIMVPLA RILPNKNRDE LNGFFNKLIR NVIALRDQQA AEERRRDFLQ MVLDARHSAS PMGVQDFDIV RDVFSSTGCK PNPSRQHQPS PMARPLTVDE IVGQAFIFLI AGYEIITNTL SFATYLLATN PDCQEKLLRE VDFVKEKHMA PEFCSLEEGL PYLDMVIAET LRMYPAPFRF TREAAQDCEV LGQRIPAGAV LEMAVGALHH DPEHWSPET FNPERFTA EA RQHRPFTYL PFGAGPRSC L GVRLGLLEV K LTLHVLHKF RFQACPETQV PLQLESKSAL GPKNGVYIKI VSR 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

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: TBXAS1

Alternative Name: TBXAS1 ([TBXAS1 Products](#))

Background: Thromboxane-A synthase (TXA synthase) (TXS) (EC 5.3.99.5) (Cytochrome P450 5A1) (Hydroperoxy icosatetraenoate dehydratase) (EC 4.2.1.152),FUNCTION: Catalyzes the conversion of prostaglandin H2 (PGH2) to thromboxane A2 (TXA2), a potent inducer of blood vessel constriction and platelet aggregation (PubMed:8436233, PubMed:11297515, PubMed:9873013, PubMed:11097184, PubMed:24009185, PubMed:22735388). Cleaves also PGH2 to 12-hydroxy-heptadecatrienoicacid (12-HHT) and malondialdehyde, which is known to act as a mediator of DNA damage. 12-HHT and malondialdehyde are formed stoichiometrically in the same amounts as TXA2 (PubMed:11297515, PubMed:9873013, PubMed:22735388). Additionally, displays dehydratase activity, toward (15S)-hydroperoxy-(5Z,8Z,11Z,13E)-eicosatetraenoate (15(S)-HPETE) producing 15-KETE and 15-HETE (PubMed:17459323). {ECO:0000269|PubMed:11097184, ECO:0000269|PubMed:11297515,

Target Details

ECO:0000269|PubMed:17459323, ECO:0000269|PubMed:22735388,
ECO:0000269|PubMed:24009185, ECO:0000269|PubMed:8436233,
ECO:0000269|PubMed:9873013}.

Molecular Weight: 60.5 kDa

UniProt: [P24557](#)

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