

Datasheet for ABIN7555715  
**TESPA1 Protein (AA 1-521) (His tag)**



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## Overview

Quantity:	1 mg
Target:	TESPA1
Protein Characteristics:	AA 1-521
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TESPA1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant TESPA1 Protein expressed in mammalian cells.
Sequence:	<p>MEASVLSPTS WEKRRALRQ SRNWQTQVLE EEAAAALQDV PDPEPSSLDD VFQEGNPINK IEDWLQDCGY SEEGFSEEAG QFIYNGFCSH GTSFEDDLTL GAEATLLAAN GKLFSSRFLE TARPCQLLDL GCSLASSSMT GGTNKTSSSI SEILDKVQED AEDVLFSLGF GQEDHKDTSR IPARFFTTPS QAKGIDFQLF LKSQVRIEM EDPCLMLASR FKQVQTLAVT ADAFFCLYSY VSKTPVQKFT PSHMFWNCNH PTDVPSIRIL SREPEPQSPR DRLRKAISKM CLYT CPRDRP PPPHNTPKRN SLDQVVLEV M DKVKEEKQFL QQDSDLGQFS QEDPVPPAEG KKLPTSPYPC VFCCEEETQQ RMSTVLAPSQ TLDSNPKVPC CTHSLPIEDP QWSTDPAQIR RELCSLPATN TETHPAKDET FWKRKSRARK SLFQKNLMGR KVKSLDLSIT QQKWKQSVDR PELRRSLSQQ PQDTFDLEEV QSNSEEEQSQ SRWPSRPRHP HHHQTFAGKDS</p> <p><b>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.</b></p>

## Product Details

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**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.

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**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.

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

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**Grade:** custom-made

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## Target Details

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**Target:** TESPA1

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**Alternative Name:** TESPA1 ([TESPA1 Products](#))

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**Background:** Protein TESPA1 (Thymocyte-expressed positive selection-associated protein 1),FUNCTION: Required for the development and maturation of T-cells, its function being essential for the late stages of thymocyte development (By similarity). Plays a role in T-cell antigen receptor (TCR)-mediated activation of the ERK and NFAT signaling pathways, possibly by serving as a scaffolding protein that promotes the assembly of the LAT signalosome in thymocytes. May play a role in the regulation of inositol 1,4,5-trisphosphate receptor-mediated Ca(2+) release and mitochondrial Ca(2+) uptake via the mitochondria-associated endoplasmic reticulum membrane (MAM) compartment. {ECO:0000250, ECO:0000269|PubMed:22561606}.

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**Molecular Weight:** 59.2 kDa

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**UniProt:** [A2RU30](#)

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## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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