

Datasheet for ABIN7550576

## PATZ1 Protein (AA 1-687) (His tag)



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### Overview

Quantity:	1 mg
Target:	PATZ1 (ZNF278)
Protein Characteristics:	AA 1-687
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PATZ1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat PATZ1 Protein expressed in mammalian cells.
Sequence:	<p>MERVNDASCG PSGCYTYQVS RHSTEMLHNL NQQRKNGGRF CDVLLRVGDE SFP AHRVLA</p> <p>ACSEYFESVF SAQLGDGGAA DGGPADVGGA TAAPGGGAGG SRELEMHTIS SKVFGDILDF</p> <p>AYTSRIVVRL ESFPELMTAA KFLLMRSVIE ICQEVIKQSN VQILVPPARA DIMLFRPPGT</p> <p>SDLGFPLDMT NGAALAANSN GIAGSMQPEE EAARAAGAAI AGQASLPVLP GVDRLPMVAG</p> <p>PLSPQLLTSP FPSVASSAPP LTGKRGRGRP RKANLLDSMF GSPGGLREAG ILPCGLCGKV</p> <p>FTDANRLRQH EAQHGVTSLQ LGYIDLPPPR LGENGLPISE DPDGPRKRSR TRKQVACEIC</p> <p>GKIFRDVYHL NRHKLSHSGE KPYPSCPVCG LRFKRKDRMSY HVRSHDGSVG KPYICQSCGK</p> <p>GFSRPDHLNG HIKQVHTSER PHKCQTCNAS FATRDRLRSH LACHEDKVPC QVCGKYLRAA</p> <p>YMADHLKKHS EGPSNFC SIC NRGFSSASYL KVHVKTTHGV PLPQVSRHQE PILNGGA AFH</p> <p>CARTYGNKEG QKCSHQDPIE SSDSYGDLSD ASDLKTPEKQ SANGSFSCDM AVPKNKMESD</p> <p>GEKKYPCPEC GSFFRSKSYL NKHIQKVHVR ALGGPLGDLG PALGSPFSPQ QNMSLLESFG</p>

FQIVQSAFAS SLVDPEVDQQ PMGPEGK **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.**

### 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:

PATZ1 (ZNF278)

### Alternative Name:

PATZ1 ([ZNF278 Products](#))

### Background:

POZ-, AT hook-, and zinc finger-containing protein 1 (BTB/POZ domain zinc finger transcription factor) (Protein kinase A RI subunit alpha-associated protein) (Zinc finger and BTB domain-containing protein 19) (Zinc finger protein 278) (Zinc finger sarcoma gene protein),FUNCTION: Transcriptional regulator that plays a role in many biological processes such as embryogenesis, senescence, T-cell development or neurogenesis (PubMed:10713105, PubMed:25755280, PubMed:31875552). Interacts with the TP53 protein to control genes that are important in proliferation and in the DNA-damage response. Mechanistically, the interaction inhibits the DNA binding and transcriptional activity of TP53/p53 (PubMed:25755280). Part of the transcriptional network modulating regulatory T-cell development and controls the generation of the regulatory T-cell pool under homeostatic conditions (PubMed:31875552).

## Target Details

{ECO:0000269|PubMed:10713105, ECO:0000269|PubMed:25755280, ECO:0000269|PubMed:31875552}., FUNCTION: (Microbial infection) Plays a positive role in viral cDNA synthesis. {ECO:0000269|PubMed:31060775}.

Molecular Weight: 74.1 kDa

UniProt: [Q9HBE1](#)

## 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