

Datasheet for ABIN7564926

## TRIM11 Protein (AA 1-467) (His tag)



[Go to Product page](#)

### Overview

Quantity:	1 mg
Target:	TRIM11
Protein Characteristics:	AA 1-467
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIM11 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant Trim11 Protein expressed in mammalian cells.
Sequence:	<p>MAAPDLSTNL QEEATCAICL DYFTDPVMTD CGHNFCRECI RRCWGQPEGP YACPECRELS</p> <p>AQRNLRPNRP LAKMAEMARR LHPPSPVPQG VCAAHREPLT TFCGDDL SLL CPICERSEHW</p> <p>THRVRLQEA ADDLKGRLEK SLEHLRKQME DAMLFQAQAE ETCALWQKMV ESQRQNVLGE</p> <p>FERLRRLLAE EEQQLLQKLE EEELEVL PRL REGAARLGQQ STQLAALISE LESRCQLPAL</p> <p>GLLQDIKDAL CRVQDVKLQP PAVVPMELRT VCRVPGLVET LRRFRGDITL DPDTANPELV</p> <p>LSEDRRSVQR GEQRQALPDN PERFDPGPCV LGQERITSGR HYWEVEVG DQ TSWALGVCKE</p> <p>TANRKEKGEL SAGNGFWILV FLGSFYNSNE PAFSPLRDPP KRVGIFLDYE AGHLSFY SAT</p> <p>DGSLLFIFPE TLFSGTLRPL FSPLSSSPTP MTICRLIGVS GDTLGPQ <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>
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:

TRIM11

### Alternative Name:

Trim11 ([TRIM11 Products](#))

### Background:

E3 ubiquitin-protein ligase TRIM11 (EC 2.3.2.27) (Tripartite motif-containing protein 11),FUNCTION: E3 ubiquitin-protein ligase that promotes the degradation of insoluble ubiquitinated proteins, including insoluble PAX6, poly-Gln repeat expanded HTT and poly-Ala repeat expanded ARX (PubMed:18628401). Mediates PAX6 ubiquitination leading to proteasomal degradation, thereby modulating cortical neurogenesis (PubMed:18628401). May also inhibit PAX6 transcriptional activity, possibly in part by preventing the binding of PAX6 to its consensus sequences (PubMed:18628401). May contribute to the regulation of the intracellular level of HN (humanin) or HN-containing proteins through the proteasomal degradation pathway (PubMed:12670303). Mediates MED15 ubiquitination leading to proteasomal degradation (By similarity). May contribute to the innate restriction of retroviruses (PubMed:18248090). Upon overexpression, reduces HIV-1 and murine leukemia virus infectivity, by suppressing viral gene expression (PubMed:18248090). Antiviral activity depends on a

## Target Details

functional E3 ubiquitin-protein ligase domain (PubMed:18248090). May regulate TRIM5 turnover via the proteasome pathway, thus counteracting the TRIM5-mediated cross-species restriction of retroviral infection at early stages of the retroviral life cycle (PubMed:18248090). Acts as an inhibitor of the AIM2 inflammasome by promoting autophagy-dependent degradation of AIM2 (By similarity). Mechanistically, undergoes autoubiquitination upon DNA stimulation, promoting interaction with AIM2 and SQSTM1/p62, leading to AIM2 recruitment to autophagosomes (By similarity). {ECO:0000250|UniProtKB:Q96F44, ECO:0000269|PubMed:12670303, ECO:0000269|PubMed:18248090, ECO:0000269|PubMed:18628401}.

Molecular Weight: 52.6 kDa

UniProt: [Q99PQ2](#)

## 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