

Datasheet for ABIN7561999  
**TTL13 Protein (AA 1-804) (His tag)**



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## Overview

Quantity:	1 mg
Target:	TTL13
Protein Characteristics:	AA 1-804
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TTL13 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Ttl13 Protein expressed in mammalian cells.
Sequence:	<p>MEPNNCKTSE SEEDDIEEEE SEEECVREES TTPNSTQQAL RKADYKEFEN GVALSVVAKK IPKKILSATD TDDLEVGRRR RKRKRRPLAI NLTNCKYESV RRAAQMCGLK EVGEDEEWTV YWTDCSVSLE RVMDMKRFQK INHFPGMTEI CRKDLLARNL NRMQKLYPTE YNIFPRTWCL PADYGDFQAY GRQRKTRTYI CKPDSGCQGR GIFITRTPKE IKPGEHMICQ QYITKPFLID GFKFDMRIYV LITSCDPLRI FMYEEGLARF ATMPYVEPSH NNLEEVCMHL TNYAINKHNE NFVRDDAVGS KRKLSTLNAW LREHSHDPQE LWGDIEDIII KTIISAHSV L RHNYRTC FPQ YLCGGTCACF EILGFDILL HKLKPWLLEV NHSPSFTTDS RLDREVKDAL LCDAMNLVNL RGCDKKK VIE EDKRRVKERL FPCHQQPRET RREQFELSQA AMHDQERYED SHLGGYRRIY PGPDSEKYAP FFKHNGSLFQ ETAASKAREE CARQQLEEIR LKQEQQENPG TKKRKENKEQ NQGESAGEKS RSRTATRVLA TSLAYRNRNR EKELLPVQLD TTQPQDIVEE EELERMKLLL QRENLRSLG IVEQLTRMLY PSHRSHRKLH EYRPRFHQDG LSSQELQPVN LVPLVLLRGA ASEQIPPHFL QPLRPHELIP RILGPLSSIN PAIAQHSRYH LQPKNFWIG DSAATGPCSL</p>

## Product Details

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SMKKSGRHYI SSSRVRLTSR KRRKAQHSTK TANGLQSLLI ERLPTSSRLK SSGQDLCLQK  
AKNTETPRVL QHSKILWGSV KTKR **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.**

**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

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**Target:** TTLL13

**Alternative Name:** Ttl13 ([TTLL13 Products](#))

**Background:** Tubulin polyglutamylase TTLL13 (EC 6.3.2.-) (Tubulin--tyrosine ligase-like protein 13),FUNCTION: Polyglutamylase which modifies tubulin, generating polyglutamate side chains of variable lengths on the gamma-carboxyl group of specific glutamate residues within the C-terminal tail of tubulin (PubMed:17499049). Mediates ATP-dependent polyglutamate side-chain elongation of the polyglutamylation reaction but not the initiation step (PubMed:17499049). Preferentially modifies the alpha-tubulin tail over a beta-tail (PubMed:17499049). {ECO:0000269|PubMed:17499049}.

## Target Details

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Molecular Weight: 93.5 kDa

UniProt: [A4Q9F6](#)

## 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.

Restrictions: For Research Use only

## Handling

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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