

Datasheet for ABIN7563949  
**TTF1 Protein (AA 1-859) (His tag)**



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## Overview

Quantity:	1 mg
Target:	TTF1
Protein Characteristics:	AA 1-859
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TTF1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Ttf1 Protein expressed in mammalian cells.
Sequence:	<p>MKGGTSKFKT HTETLYKKKK WSSVSEKRPQ KCPSQCLESK QPQVSVLGKR RRASQTPAQE</p> <p>TLESEWPQKA KRKKRRREPQ TPAQETLESE WPQKAKKKKR RGEPQTPTQE SLESEQPPVS</p> <p>LLGKRRRESQ TPAQENSESE QPRKAKRRRK KRKGSQQPTS SLLKTPETFL KAKKTTSAHK</p> <p>KKKNSVLEVD METGIILVDK ENMENLLETS RKDVDIVYVD MSKGQRSAKV RETGELPAAK</p> <p>PQEHGCRELL GDVRSRKKQK HLQKVAPWDV VQGSQPESIS LPPSEPLSSE DLEGKSTEAA</p> <p>VFCKKKSKKN VFRSQELEPI PDSLDDSETI SERLDSTHHG GAVGAGEECE STKESHSIKK</p> <p>KSKKKKHKSV ALATSSDSAS VTDSKAKNAL VDSSEGSAGV REEDVDHRPA EAEAQACSTE</p> <p>KHREAMQRLE PTHEEESNSE SASNSAARHI SEDRRESDDS DVDLGS AVRQ LREFIPDIQE</p> <p>RAATTIRRM Y RDDLG RFKEF KAQGV AIRFG KFS AKENKQI EKNVQDFLSL TGIESADKLL</p> <p>YTD RYPEEKT LITNLKRKHA FRLHIGKGIA RPWKLVYYRA KKIFDVNNYK GRYNEEDTKK</p> <p>LKAYHSLHGN DWKKIGAMVA RSSLSVALKF SQIGGTRNQG AWSKAETQRL IKAVEDVILK</p> <p>KMSPQELREL DSKLQEDPEG RLSIVREKLY KGISWVEVEA RVETRNWMQC KSKWTEILTK</p>

## Product Details

RMTHGGFVYR GVNALQAKIT LIERLYELNV NDANEIDWED LASAIGDVPP PFVQAKFYKL  
KAACVPFWQK KTFPEIIDYL YKNSLPLLKE KLDKKMKKKD GQIQTPAAPK QDFLFKDIFH  
CDDDSDEGSP EEPSASDVQ **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

**Target:** TTF1

**Alternative Name:** Ttf1 ([TTF1 Products](#))

**Background:** Transcription termination factor 1 (TTF-1) (RNA polymerase I termination factor) (Transcription termination factor I) (TTF-I) (mTTF-I),FUNCTION: Multifunctional nucleolar protein that terminates ribosomal gene transcription, mediates replication fork arrest and regulates RNA polymerase I transcription on chromatin (PubMed:7720715, PubMed:9267035, PubMed:15292447, PubMed:9049305). Plays a dual role in rDNA regulation, being involved in both activation and silencing of rDNA transcription (PubMed:15292447, PubMed:20513429).

## Target Details

Interaction with BAZ2A/TIP5 recovers DNA-binding activity (PubMed:15292447).  
{ECO:0000269|PubMed:15292447, ECO:0000269|PubMed:20513429,  
ECO:0000269|PubMed:7720715, ECO:0000269|PubMed:9049305,  
ECO:0000269|PubMed:9267035}.

Molecular Weight: 97.7 kDa

UniProt: [Q62187](#)

Pathways: [Thyroid Hormone Synthesis](#), [Regulation of Systemic Arterial Blood Pressure by Hormones](#),  
[Feeding Behaviour](#)

## 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