

Datasheet for ABIN7549002

Thymopoietin Protein (TMPO) (AA 1-454) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Thymopoietin (TMPO)
Protein Characteristics:	AA 1-454
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Thymopoietin protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TMPO Protein expressed in mammalian cells.
Sequence:	MPEFLEDPSV LTKDKLKSEL VANNVTL PAG EQRKDVYVQL YLQHLTARNR PPLPAGTNSK GPPDFSSDEE REPTVVLGSG AAAAGRSRAA VGRKATKKT D KPRQEDKDDL DVTELTNEDL LDQLVKYGVN PGPIVGTRK LYEKLLKLR EQGTESRSST PLPTISSAE NTRQNGSND S DRYSDNEEDS KIELKLEKRE PLKGRAKTPV TLKQRRVEHN QSYSQAGITE TEWTSGSSKG GPLQALTRES TRGSRTRPRK RVETSEHFRI DGPVISESTP IAETIMASSN ESLVVRVTG NFKHASPILP ITEFSDIPRR APKKPLTRAE VGEKTEERRV ERDILKEMFP YEASTPTGIS ASCRRPIKGA AGRPLELSDF RMEESFSSKY VPKYVPLADV KSEKTKKGRS IPVWIKILLF VVAVFLFLV YQAMETNQVN PFSNFLHVD P RKS N 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

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:

Thymopoietin (TMPO)

Alternative Name:

TMPO ([TMPO Products](#))

Background:

Lamina-associated polypeptide 2, isoforms beta/gamma (Thymopoietin, isoforms beta/gamma) (TP beta/gamma) (Thymopoietin-related peptide isoforms beta/gamma) (TPRP isoforms beta/gamma) [Cleaved into: Thymopoietin (TP) (Splenin), Thymopentin (TP5)],FUNCTION: May help direct the assembly of the nuclear lamina and thereby help maintain the structural organization of the nuclear envelope. Possible receptor for attachment of lamin filaments to the inner nuclear membrane. May be involved in the control of initiation of DNA replication through its interaction with NAKAP95., FUNCTION: Thymopoietin (TP) and Thymopentin (TP5) may play a role in T-cell development and function. TP5 is an immunomodulating pentapeptide.

Molecular Weight:

50.7 kDa

UniProt:

[P42167](#)

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
