

Datasheet for ABIN7555738  
**NR4A3 Protein (AA 1-631) (His tag)**



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## Overview

Quantity:	1 mg
Target:	NR4A3
Protein Characteristics:	AA 1-631
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NR4A3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant TEC Protein expressed in mammalian cells.
Sequence:	<p>MNFNTILEEI LIKRSQQKKK TSPLNYKERL FVLTKSMLTY YEGRAEKKYR KGFIDVSKIK CVEIVKNDDG VIPCQNKYPF QVVDANTLY IFAPSPQSRD LWVKKLKEEI KNNNNIMIKY HPKFWTDGSY QCCRQTEKLA PGCEKYNLFE SSIRKALPPA PETKKRRPPP PIPLEEDNS EEIVVAMYDF QAAEGHDLRL ERGQEYLILE KNDVHWWRAR DKYGNEGYIP SNYVTGKKS NLDQYEWYCR NMNRSKAEQL LRSEDKEGGF MVRDSSQPGL YTVSLYTKFG GEGSSGFRHY HIKETTTSK KYLAEKHAF GSIP EIEYH KHNAAGLVTR LRYPVSVKKG NAPTTAGFSY EKWEINPSEL TFMRELGSGL FGVVRLGKWR AQYKVAIKAI REGAMCEEDF IEEAKVMMKL THPKLVQLYG VCTQQPIYI VTEFMERGCL LNFLRQRQGH FSRDVLLSMC QDVCEGMEYL ERNSFIHRDL AARNCLVSEA GVVKVSDFGM ARYVLDDQYT SSSGAKFPVK WCPPEVFNYS RFSSKSDVWS FGVLMWEVFT EGRMPFEKYT NYEVVTMVTR GHRLYQPKLA SNYVYEVMLR CWQEKPEGRP SFEDLLRTID ELVECEETFG R <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity</b></p>

## Product Details

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**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: NR4A3

Alternative Name: TEC ([NR4A3 Products](#))

Background: Tyrosine-protein kinase Tec (EC 2.7.10.2),FUNCTION: Non-receptor tyrosine kinase that contributes to signaling from many receptors and participates as a signal transducer in multiple downstream pathways, including regulation of the actin cytoskeleton. Plays a redundant role to ITK in regulation of the adaptive immune response. Regulates the development, function and differentiation of conventional T-cells and nonconventional NKT-cells. Required for TCR-dependent IL2 gene induction. Phosphorylates DOK1, one CD28-specific substrate, and contributes to CD28-signaling. Mediates signals that negatively regulate IL2RA expression induced by TCR cross-linking. Plays a redundant role to BTK in BCR-signaling for B-cell development and activation, especially by phosphorylating STAP1, a BCR-signaling protein.

## Target Details

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Required in mast cells for efficient cytokine production. Involved in both growth and differentiation mechanisms of myeloid cells through activation by the granulocyte colony-stimulating factor CSF3, a critical cytokine to promoting the growth, differentiation, and functional activation of myeloid cells. Participates in platelet signaling downstream of integrin activation. Cooperates with JAK2 through reciprocal phosphorylation to mediate cytokine-driven activation of FOS transcription. GRB10, a negative modifier of the FOS activation pathway, is another substrate of TEC. TEC is involved in G protein-coupled receptor- and integrin-mediated signalings in blood platelets. Plays a role in hepatocyte proliferation and liver regeneration and is involved in HGF-induced ERK signaling pathway. TEC regulates also FGF2 unconventional secretion (endoplasmic reticulum (ER)/Golgi-independent mechanism) under various physiological conditions through phosphorylation of FGF2 'Tyr-215'. May also be involved in the regulation of osteoclast differentiation. {ECO:0000269|PubMed:10518561, ECO:0000269|PubMed:19883687, ECO:0000269|PubMed:20230531, ECO:0000269|PubMed:9753425}.

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Molecular Weight: 73.6 kDa

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UniProt: [P42680](#)

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Pathways: [Fc-epsilon Receptor Signaling Pathway](#), [Nuclear Receptor Transcription Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#)

## 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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months