

Datasheet for ABIN7564461

TAO Kinase 3 Protein (TAOK3) (AA 1-898) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	TAO Kinase 3 (TAOK3)
Protein Characteristics:	AA 1-898
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TAO Kinase 3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Taok3 Protein expressed in mammalian cells.
Sequence:	MRKGALKDPE IADLFFKDDP EELFIDLHEI GHGSFGAVYF ATNAHTNEVV AVKKMSYSYGK QTHEKWQDIL KEVKFLQQLK HPNTIEYKGC YLKEHTAWLV MEYCLGSASD LLEVHKKPLQ EVEIAAITHG ALQGLAYLHF HSLIHRDIKA GNILLTEPGQ VKLADFGSAS MASPANSFVG TPYWMAPEVI LAMDEGQYDG KVDIWSLGIT CIELAERKPP LFNMNAMSAL YHIAQNDSPT LQSREWTDSE RRFVDYCLHK IPQERPAAVE LLRHDFIRRE RPPKVLIDLI QRTKDAVREL DNLQYRKMKK ILFQETRNGP LNESQEEEEED GEQGSNLNRE VDSLGSIHISI PSTSVSTGSR SSSVNSMQEV MDESSSELVM MQEDEGTANS SASTVHKKDH VFVRDEAGHG DPRPEPRPTQ SVQSRALHYR NRERFATIKS ASLVTRQIHE HEQENELREQ MSGYKRMRRQ HQKQLIALEN KLKAEMDEHR LKLQKEVETH ANNSSIELEK LAKKQVATIE KEAKVAAADE KKFQQQILAQ QKKDLTTFLE SQKKQYKICK EKIKEEMNED HSTPKKEKQE RISKHKENLQ HTQAEEEAHL LTQQRLYYDR NCRFFKRKIM IKRHEVEQQN IREELNKKRT QKEMEHAMLI RHDESTRELE YRQLHTLQKL RMDLIRLQHQ TELENQLEYN KRRERELHRK HVMELRQQPK NLKAMEMQIK

Product Details

KQFQDTCKVQ TKQYKALKNH QLEVTPKNEH KAILKTLKDE QTRKLAILAE QYEQSINEMM
ASQALRLDEA QEAECQALRL QLQEMELLN AYQSKIKMQT EAQHERELQK LEQRVSLRRA
HLEQKIEEEL AALQKERSER IKTLERQER ETETFDMESL RMGFGNLVTL DFPKEDYR **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: TAO Kinase 3 (TAOK3)

Alternative Name: Taok3 ([TAOK3 Products](#))

Background: Serine/threonine-protein kinase TAO3 (EC 2.7.11.1) (Thousand and one amino acid protein 3),FUNCTION: Serine/threonine-protein kinase that acts as a regulator of the p38/MAPK14 stress-activated MAPK cascade and of the MAPK8/JNK cascade. Acts as an activator of the p38/MAPK14 stress-activated MAPK cascade. In response to DNA damage, involved in the G2/M transition DNA damage checkpoint by activating the p38/MAPK14 stress-activated

Target Details

MAPK cascade, probably by mediating phosphorylation of upstream MAP2K3 and MAP2K6 kinases. Inhibits basal activity of MAPK8/JNK cascade and diminishes its activation in response epidermal growth factor (EGF) (By similarity). {ECO:0000250}.

Molecular Weight: 105.3 kDa

UniProt: [Q8BYC6](#)

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