

Datasheet for ABIN7563707
TNKS2 Protein (AA 1-1166) (His tag)



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Overview

Quantity:	1 mg
Target:	TNKS2
Protein Characteristics:	AA 1-1166
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNKS2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Tnks2 Protein expressed in mammalian cells.
Sequence:	<pre>MSGRRRCAGGG AACASAGAEA VEPSARELFE ACRNGDVERV KRLVTPEKVN SRDTAGRKST PLHFAAGFGR KDVEYLLQN GANVQARDDG GLIPLHNACS FGHADEVNLL LQHGADPNAR DNWNYTPLHE AAIK GKIDVC IVLLQHGAEP TIRNTDGRTA LDLADPSAKA VLTGDYKKDE LLESARSGNE EKMMALLTPL NVNCHASDGR KSTPLHLAAG YNRVKIVQLL LHHGADVHAK DKGDLVPLHN ACSYGHYEVT ELLVKHGACV NAMDLWQFTP LHEAASKNRI EVCSLLLSYG ADPTLLNCHN KSAIDLAPTA QLKERLSYEF KGHSLLQAAR EADVTRIKKH LSLEMVNFKH PQTHETALHC AAASPYPKRK QICELLRKG ANTNEKTKEF LTPLHVA SEN AHNDVVEVVV KHEAKVNALD SLGQTS LHRA AHCGHLQTCR LLSYGC DPN IISLQGFTAL QMGNENVQQL LQEGASLGHS EADRQLLEAA KAGDVETVKK LCTVQSVNCR DIEGRQSTPL HFAAGYNRVS VVEYLLQHGA DVHAKDKGGL VPLHNACSYG HYEVAELLVK HGAVVNVADL WKFTPLHEAA AKGKYEICKL LLQHGADPTK KNRDGNTP LD LVKDGDTDIQ DLLRGDAALL DAAKKGCLAR VKKLSSPDNV NCRDTQGRHS TPLHLAAGYN NLEVAEYLLQ HGADVNAQDK GGLIPLHNAA</pre>

Product Details

SYGHVDVAAL LIKYNACVNA TDKWAFTPLH EAAQKGRITQL CALLLAHGAD PTLKNQEGQT
PLDLVSADDV SALLTAAMPP SALPTCYKPKQ VLSGVRGPGA TADALSSGPS SPSSLSAASS
LDNLGSGFSE LSAVVSSAA EGATGLQRKE DSGIDFSITQ FIRNLGLEHL MDIFEREQIT
LDVLVEMGHK ELKEIGINAY GHRHKLKGV ERLISGQQGL NPYLTLNNSG SGTILIDLSP
DDKEFQSVEE EMQSTVREHR DGGHAGGVFN RYNILKIQKV CNKKLWERYT HRRKEVSEEN
HNHANERMLF HGSPFVNAIL HKGFDERHAY IGGMFGAGIY FAENSSKSNQ YVYGIGGGTG
CPIHKDRSCY ICHRQLLFCR VTLGKSFLQF SAMKMAHSPP GHHSVTGRPS VNLALAEYV
IYRGEQAYPE YLITYQIVRP EGMVDG **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: TNKS2

Alternative Name: Tnks2 ([TNKS2 Products](#))

Background: Poly [ADP-ribose] polymerase tankyrase-2 (EC 2.4.2.30) (ADP-ribosyltransferase diphtheria

Target Details

toxin-like 6) (ARTD6) (Protein poly-ADP-ribosyltransferase tankyrase-2) (EC 2.4.2.-) (TNKS-2) (TRF1-interacting ankyrin-related ADP-ribose polymerase 2) (Tankyrase II) (Tankyrase-2) (TANK2),FUNCTION: Poly-ADP-ribosyltransferase involved in various processes such as Wnt signaling pathway, telomere length and vesicle trafficking. Acts as an activator of the Wnt signaling pathway by mediating poly-ADP-ribosylation of AXIN1 and AXIN2, 2 key components of the beta-catenin destruction complex: poly-ADP-ribosylated target proteins are recognized by RNF146, which mediates their ubiquitination and subsequent degradation. Also mediates poly-ADP-ribosylation of BLZF1 and CASC3, followed by recruitment of RNF146 and subsequent ubiquitination. Mediates poly-ADP-ribosylation of TERF1, thereby contributing to the regulation of telomere length. Stimulates 26S proteasome activity. {ECO:0000250|UniProtKB:Q9H2K2}.

Molecular Weight: 126.7 kDa

UniProt: [Q3UES3](#)

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