

Datasheet for ABIN7564900
TNK1 Protein (AA 1-666) (His tag)



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Overview

Quantity:	1 mg
Target:	TNK1
Protein Characteristics:	AA 1-666
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNK1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Tnk1 Protein expressed in mammalian cells.
Sequence:	<p>MLPEASSLWL LRLLRDVQLA QFYRPILEEL NVTRPEHFDF VRPEDLDNIG MGRPAQRRLN</p> <p>EALKRYRSGV KSKNWVYKIL GGFAPQKEI PPRSDSPLCF HEPEGGLKCL IPEGAVRRGE</p> <p>LLGSGCFGVW HRGLWTLPSG QSIPVAVKSL RVGPEGPMGT ELGDFLREVS VMMKLEHPHV</p> <p>LRLHGLVLGQ PLQMVMELAP LGSLHARLTA PAPTPLPVA LLCLFLRQLA GAMAYLGSCG</p> <p>LVHRDLATRN LLLASPRMIK VADFGLVRPL GGARGRYVMG GPRPIPYAWC APESLRQGAF</p> <p>SSASDVWMFG VTLWEMFSGG EEPWAGVPPY LILQRLEKDR ARLPKPLCS RALYSLALRC</p> <p>WAPHPADRPS FSNLEGLLQE AWLSEGRGCVR EVTEPGALRM EPGDPITIE GSLDTATWKG</p> <p>QNGRTLKVGN FPASAVTLAD LGGSPVTHPA HRGSPAHEK CRGGTDGDRE KATLQDLPPA</p> <p>RSHRTKMPLQ RMRGISKSL SVLSLGPRT GGGSSPELR RTRAMPQRLP DLPPRPDLP</p> <p>PRPPICNSS QPTQPHKARP KRESSHNHRT GAPGASKATV PSGGPLSDPE WQRKVVEVEL</p> <p>SVHGVTYQEC QVALRTTGGD VASAIRNLKV DQLFHLSNRS RADCRRILEH HQWDLAASR</p> <p>YILARS Sequence without tag. The proposed Purification-Tag is based on experiences with</p>

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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	TNK1
Alternative Name:	Tnk1 (TNK1 Products)
Background:	Non-receptor tyrosine-protein kinase TNK1 (EC 2.7.10.2) (Kinase of embryonic stem cells),FUNCTION: May function in signaling pathways utilized broadly during fetal development and more selectively in adult tissues and in cells of the lymphohematopoietic system. Could specifically be involved in phospholipid signal transduction (By similarity). Involved in negative regulation of cell growth. Has tumor suppressor properties. Plays a negative regulatory role in the Ras-MAPK pathway. {ECO:0000250, ECO:0000269 PubMed:12789265, ECO:0000269 PubMed:18974114}.
Molecular Weight:	73.1 kDa

Target Details

UniProt: [Q99ML2](#)

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