

Datasheet for ABIN7555775
TLK1 Protein (AA 1-766) (His tag)



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Overview

Quantity:	1 mg
Target:	TLK1
Protein Characteristics:	AA 1-766
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TLK1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TLK1 Protein expressed in mammalian cells.
Sequence:	<p>MSVQSSSGSL EGPPSWSQLS TSPTPGSAAA ARSLLNHTPP SGRPREGAMD ELHSLDPRRQ ELLEARFTGV ASGSTGSTGS CSVGAKASTN NESSNHSFGS LGSLSDKESE TPEKKQSESS RGRKRKAENQ NESSQKSIG GRGHKISDYF EYQGGNGSSP VRGIPPAIRS PQNSHSHSTP SSSVRPNSPS PTALAFGDHP IVQPKQLSFK IIQTDLTMLK LAALESNKIQ DLEKKEGRID DLLRANCDLR RQIDEQQKLL EKYKERLNKC ISMSKLLIE KSTQEKLSSR EKSMQDRLRL GHFTTVRHGA SFTEQWTDGF AFQNLVKQQE WVNQQREDIE RQRKLLAKRK PPTANNSQAP STNSEPKQRK NKAVNGAEND PFVRPNLPQL LTLAEYHEQE EIFKLRLGHL KKEEAEIQAE LERLERVRNL HIRELKRINN EDNSQFKDHP TLNERYLLLH LLGRGGFSEV YKAFDLYEQR YAAVKIHQLN KSWRDEKKEN YHKHACREYR IHKELDHPRI VKLYDYFSLD TDTFCTVLEY CEGNDLDFYL KQHKLMSSEKE ARSIVMQIVN ALRYLNEIKP PIIHYDLKPG NILLVDGTAC GEIKITDFGL SKIMDDDSYG VDGMDLTSQG AGTYWYLPPE CFVVGKEPPK ISNKVDVWSV GVIFFQCLYG RKPFGHNQSQ QDILQENTIL KATEVQFPVK PVSSEAKAF IRRCLAYRKE</p>

Product Details

DRFDVHQLAN DPYLLPHMRR SNSSGNLHMA GLTASPTPPS SSIITY **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: TLK1

Alternative Name: TLK1 ([TLK1 Products](#))

Background: Serine/threonine-protein kinase tousled-like 1 (EC 2.7.11.1) (PKU-beta) (Tousled-like kinase 1),FUNCTION: Rapidly and transiently inhibited by phosphorylation following the generation of DNA double-stranded breaks during S-phase. This is cell cycle checkpoint and ATM-pathway dependent and appears to regulate processes involved in chromatin assembly. Isoform 3 phosphorylates and enhances the stability of the t-SNARE SNAP23, augmenting its assembly with syntaxin. Isoform 3 protects the cells from the ionizing radiation by facilitating the repair of DSBs. In vitro, phosphorylates histone H3 at 'Ser-10'. {ECO:0000269|PubMed:10523312,

Target Details

ECO:0000269|PubMed:10588641, ECO:0000269|PubMed:11314006,
ECO:0000269|PubMed:11470414, ECO:0000269|PubMed:12660173,
ECO:0000269|PubMed:9427565}.

Molecular Weight: 86.7 kDa

UniProt: [Q9UKI8](#)

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