

Datasheet for ABIN7555759
TLK2 Protein (AA 1-772) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	TLK2
Protein Characteristics:	AA 1-772
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TLK2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TLK2 Protein expressed in mammalian cells.
Sequence:	<p>MMEELHSLDP RRQELLEARF TGVGVSKGPL NSESSNQSLC SVGSLSDKEV ETPEKKQNDQ</p> <p>RNRKRKAEPY ETSQKGTPR GHKISDYFEF AGGSAPGTSP GRSVPPVARS SPQHSLSNPL</p> <p>PRRVEQPLYG LDGSAAKEAT EEQSALPTLM SVMLAKPRLD TEQLAQRGAG LCFTFVSAQQ</p> <p>NSPSSTGSGN TEHSCSSQKQ ISIQHRQTQS DLTIEKISAL ENSKNSDLEK KEGRIDDLLR</p> <p>ANCDLRRQID EQQKMLEKYK ERLNRCVTMS KKLIEKSKQ EKMACRDKSM QDRLRLGHFT</p> <p>TVRHGASFTE QWTDGYAFQN LIQQERINS QREEIERQRK MLAKRKPPAM GQAPPATNEQ</p> <p>KQRKSKTNGA ENETPSSGNT ELKDTAPALG AHSLRLTLA EYHEQEEIFK LRLGHLKKEE</p> <p>AEIQAELERL ERVRNLHIRE LKRIHNEDNS QFKDHPTLND RYLLHLHLGR GGFSEVYKAF</p> <p>DLTEQRYVAV KIHQLNKNWR DEKKENYHKH ACREYRIHKE LDHPRIVKLY DYFSLDTSDF</p> <p>CTVLEYCEGN DLDLYLKQHK LMSEKEARSI IMQIVNALKY LNEIKPPIH YDLKPGNILL</p> <p>VNGTACGEIK ITDFGLSKIM DDDSYNSVDG MELTSQGAGT YWYLPPECFV VGKEPPKISN</p> <p>KVDVWSVGVF FYQCLYGRKP FGHNQSQQDI LQENTILKAT EVQFPKPVV TPEAKAFIRR</p>

Product Details

CLAYRKEDRI DVQQLACDPY LLPHIRKSVS TSSPAGAAIA STSGASNNS SN **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:	<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:	TLK2
Alternative Name:	TLK2 (TLK2 Products)
Background:	Serine/threonine-protein kinase tousled-like 2 (EC 2.7.11.1) (HsHPK) (PKU-alpha) (Tousled-like kinase 2),FUNCTION: Serine/threonine-protein kinase involved in the process of chromatin assembly and probably also DNA replication, transcription, repair, and chromosome segregation (PubMed:9427565, PubMed:10523312, PubMed:11470414, PubMed:12660173, PubMed:12955071, PubMed:29955062, PubMed:33323470). Phosphorylates the chromatin assembly factors ASF1A and ASF1B (PubMed:11470414, PubMed:20016786, PubMed:29955062, PubMed:35136069). Phosphorylation of ASF1A prevents its proteasome-

Target Details

mediated degradation, thereby enhancing chromatin assembly (PubMed:20016786). Negative regulator of amino acid starvation-induced autophagy (PubMed:22354037).
{ECO:0000269|PubMed:10523312, ECO:0000269|PubMed:11470414, ECO:0000269|PubMed:12660173, ECO:0000269|PubMed:12955071, ECO:0000269|PubMed:20016786, ECO:0000269|PubMed:22354037, ECO:0000269|PubMed:29955062, ECO:0000269|PubMed:33323470, ECO:0000269|PubMed:35136069, ECO:0000269|PubMed:9427565}.

Molecular Weight: 87.7 kDa

UniProt: [Q86UE8](#)

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