

Datasheet for ABIN7555621  
**STK10-A Protein (AA 1-968) (His tag)**



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## Overview

Quantity:	1 mg
Target:	STK10-A
Protein Characteristics:	AA 1-968
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This STK10-A protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant STK10 Protein expressed in mammalian cells.
Sequence:	MAFANFRRIL RLSTFEKRKS REYEHVRRDL DPNEVWEIVG ELGDGAFGKV YKAKNKETGA LAAAKVIETK SEELEDYIV EIEILATCDH PYIVKLLGAY YHDGKLWIMI EFCPPGGAVDA IMLELDRGLT EPQIQVVCRQ MLEALNFLHS KRIIHRDLKA GNVLMTLEGD IRLADFGVSA KNLKTLLQKRD SFIGTPYWMA PEVVMCETMK DTPYDYKADI WSLGITLIEM AQIEPPHHEL NPMRVLLKIA KSDPPTLLTP SKWSVEFRDF LKIALDKNPE TRPSAAQLLE HPFVSSITSN KALRELVAEA KAEVMEEIED GRDEGEEEDA VDAASTLENH TQNSSEVSPP SLNADKPLEE SPSTPLAPSQ SQDSVNEPCS QPSGDRSLQT TSPPVVAPGN ENGLAVPVPL RKS RPVSM DA RIQVAQEKQV AEQGGDLSPA ANRSQKASQS RPNSSALET L GGEKLANGSL EPPAQAAPGP SKRSDCSSL CTSESMDYGT NLSTDLSLNK EMGSLSIKDP KLYKTKLRT RKFVVDGVEV SITTSKIISE DEKKDEEMRF LRRQELREL R LLQKEEHRNQ TQLSNKHELQ LEQMHRFEQ EINAKKKFFD TELENLERQQ KQVVEKMEQD HAVRRREEAR RIRLEQDRDY TRFQEQLKLM KKEVKNEVEK LPRQQRKESM KQKMEEHTQK KQLLDRDFVA KQKEDLELAM KRLTTDNRRE

## Product Details

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ICDKERECLM KKQELLRDRE AALWEMEEHQ LQERHQLVKQ QLKDQYFLQR HELLRKHEKE  
REQMQRYNQR MIEQLKVRQQ QEKARLPKIQ RSEKTRMAM YKKSLLHGG GSAAEQREKI  
KQFSQQEEKR QKSERLQQQQ KHENQMRDML AQCESNMSEL QQLQNEKCHL LVEHETQKLL  
ALDESHNQLN KEWRDKLRPR KKALEEDLNQ KKREQEMFFK LSEEAECNP STPSKAAKFF  
PYSSADAS **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

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Target: STK10-A

Alternative Name: STK10 ([STK10-A Products](#))

Background: Serine/threonine-protein kinase 10 (EC 2.7.11.1) (Lymphocyte-oriented kinase),FUNCTION: Serine/threonine-protein kinase involved in regulation of lymphocyte migration. Phosphorylates MSN, and possibly PLK1. Involved in regulation of lymphocyte migration by mediating phosphorylation of ERM proteins such as MSN. Acts as a negative regulator of

## Target Details

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MAP3K1/MEKK1. May also act as a cell cycle regulator by acting as a polo kinase kinase: mediates phosphorylation of PLK1 in vitro, however such data require additional evidences in vivo. {ECO:0000269|PubMed:11903060, ECO:0000269|PubMed:12639966, ECO:0000269|PubMed:19255442}.

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Molecular Weight: 112.1 kDa

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UniProt: [O94804](#)

## Application Details

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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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months