

## Product datasheet for TP309827

### LOK (STK10) (NM\_005990) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human serine/threonine kinase 10 (STK10), 20 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC209827 protein sequence  
Red=Cloning site Green=Tags(s)

MAFANFRIRLRLSTFEKRKSREYEHVRRDLDPNEVWEIVGELGDGAFGKVKAKNKETGALVAAKVIETK  
 SEEELEDYIVEIEILATCDHPYIVKLLGAYYHDGKLMWIMIEFCPPGAVDAIMLELDRLTEPQIQEVCRO  
 MLEALNFLHSKRRIHRDLKAGNVLMTLEGDIRLADFGVSAKNLKTQKRDSFIGTPYWMapevVMCETMK  
 DTPYDYKADIWSLGITLIEMAQIEPPHHELNPMPVLLKIAKSDPPTLLTPSKWSVEFRDFLKIALDKNPE  
 TRPSAAQLLEHPFVSSITSNKALRELVAEAKAEVMEGIEDGRDEGEEEDAVIDAASTLENHTQNSSEVSP  
 SLNADKPLEESPSTPLAPSQSQDSVNEPCSQPSGDRSLQTTSPVWVAPGNENGLAVPVPLRKSVPVMDA  
 RIQVAQEKQVAEQGGDLSPAANRSQKASQSRPNSSALETLGGEKLANGSLEPPAQAAPGPSKRDSDCSSL  
 CTSESMDYGTNLSTDLSLNKEMGSLSIKDPKLYKTKLRTRKFVVDGVEVSITTSKIISEDEKKDEEMRF  
 LRRQELRELRLQKEEHRNQTQLSNKHLEQLQEMHKRFEQEINAKKKFFDTELENLERQQKQKQVEKMEQD  
 HAVRRREEARRIRLEQDRDYTRFQEQKLMKKEVKNEVEKLPQRQRKESMKQKMEEHTQKKQLLDRDFA  
 KQKEDLELAMKRLTTDNREICDKERECLMKKQELLRDREAALWEMEEHQLQERHQLVKQQLKQDQYFLQR  
 HELLRKHEKEREQMQRYNQRMIEQLKVRQQQEKARLPKIQRSEGKTRMAMYKKSLSHINGGGSAEQREKI  
 KQFSQQEEKRQKSERLQQQKHENQMRDMLAQCESNMSELQQLQNEKCHLLVEHETQKLKALDESHNQNL  
 KEWRDKLRPRKKALEEDLNQKKREQEMFFKLSEEAECNPSTPSKAAKFFPYSSADAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK  
**Predicted MW:** 112 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_005981](#)

**Locus ID:** 6793

**UniProt ID:** [O94804](#)

**RefSeq Size:** 6039

**Cytogenetics:** 5q35.1

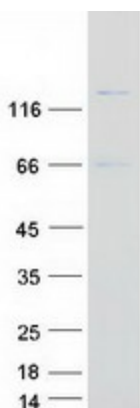
**RefSeq ORF:** 2904

**Synonyms:** LOK; PRO2729

**Summary:** This gene encodes a member of the Ste20 family of serine/threonine protein kinases, and is similar to several known polo-like kinase kinases. The protein can associate with and phosphorylate polo-like kinase 1, and overexpression of a kinase-dead version of the protein interferes with normal cell cycle progression. The kinase can also negatively regulate interleukin 2 expression in T-cells via the mitogen activated protein kinase kinase 1 pathway. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Protein Kinase

### Product images:



Coomassie blue staining of purified STK10 protein (Cat# TP309827). The protein was produced from HEK293T cells transfected with STK10 cDNA clone (Cat# [RC209827]) using MegaTran 2.0 (Cat# [TT210002]).