

Product datasheet for TP309827L

LOK (STK10) (NM_005990) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human serine/threonine kinase 10 (STK10), 1 mg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC209827 protein sequence
Red=Cloning site Green=Tags(s)

MAFANFRIRLRLSTFEKRKSREYEHVRRDLDPNEVWEIVGELGDGAFGKVKAKNKETGALVAAKVIETK
 SEEELEDYIVEIEILATCDHPYIVKLLGAYYHDGKLMWIMIEFCPPGAVDAIMLELDRLTEPQIQEVCRO
 MLEALNFLHSKRRIHRDLKAGNVLMTLEGDIRLADFGVSAKNLKTQKRDSFIGTPYWMapevVMCETMK
 DTPYDYKADIWSLGITLIEMAQIEPPHHELNPMRVLKIAKSDPPTLLTPSKWSVEFRDFLKIALDKNPE
 TRPSAAQLLEHPFVSSITSNKALRELVAEAKAEVMEGIEDGRDEGEEEDAVIDAASTLENHTQNSSEVSP
 SLNADKPLEESPSTPLAPSQSQDSVNEPCSQPSGDRSLQTTSPVAVPAGNENGLAVPVPLRKSVPVMDA
 RIQVAQEKQVAEQGGDLSPAANRSQKASQSRPNSSALETLGGEKLANGSLEPPAQAAPGPSKRSDCSSL
 CTSESMYGTNLSTDLNLKEMGSLSIKDPKLYKTKLKRTRKFVVDGVEVSITTSKIISEDEKKDEEMRF
 LRRQELRELRLQLKEEHRNQTQLSNKHLEQLQEMHKRFEQEIANKKKFFDTELENLERQQKQKQVEKMEQD
 HAVRRREEARRIRLEQDRDYTRFQEQKLMKKEVKNEVEKLPRQQRKESMKQKMEEHTQKKQLLDRDFA
 KQKEDLELAMKRLTTDNREICDKERECLMKKQELLRDREAALWEMEEHQLQERHQLVKQQLKQDQYFLQR
 HELLRKHEKEREQMQRYNQRMIEQLKVRQQQEKARLPKIQRSEGKTRMAMYKKSLSHINGGGSAEQREKI
 KQFSQQEEKRQKSERLQQQKHENQMRDMLAQCESNMSELQQLQNEKCHLLVEHETQKLKALDESHNQNL
 KEWRDKLRPRKKALEEDLNQKKREQEMFFKLSEEACPNPSTPSKAAKFFPYSSADAS

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: [Q94804](#)

RefSeq Size: 6039

Cytogenetics: 5q35.1

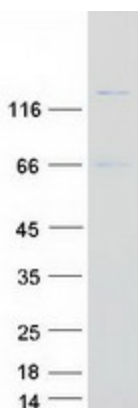
RefSeq ORF: 2904

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]).