

STK10/LOK recombinant protein

Recombinant STK10/LOK (1-348) protein

CATALOG # AAA60248	HOST Baculovirus
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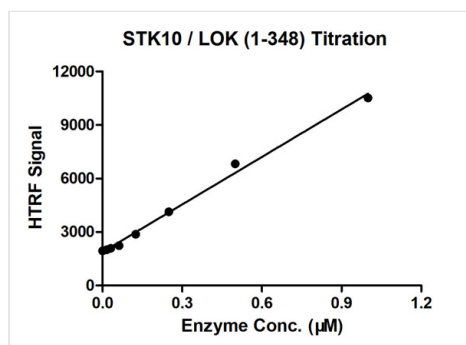
PRODUCT SYNONYMS

STK10/LOK; Recombinant STK10/LOK (1-348) protein; Serine/threonine kinase 10; STK10/LOK recombinant protein

PRODUCT SPECIFICATIONS

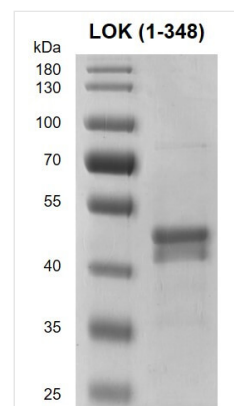
Host	Baculovirus
Form/Format	Recombinant STK10/LOK (1-348) protein is supplied in 25mM HEPESNaOH pH7.5, 300mM NaCl, 10% glycerol, 0.04% Triton X-100, 0.5mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag
Protein Details	Recombinant STK10/LOK (1-348) protein that includes amino acids 1-348 of human LOK protein (accession number NP_005981.3) was expressed in a baculovirus expression system, and contains an N-terminal DYKDDDDK tag.
Notes	This product was manufactured as described in Protein Details. Where possible, We has developed functional or activity assays for recombinant proteins. Additional characterization such as enzyme kinetic activity assays, inhibitor screening or other biological activity assays may not have been performed for every product. All available data for a given product is shown on the lot-specific Technical Data Sheet.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. Shipping Temp: Dry Ice

IMAGES



Application Data

HTRF assay for STK10 / LOK (1-348) activity 1 μM STK S3 substrate was incubated with different concentrations of STK10 / LOK (1-348) protein in a 10 ul reaction system containing 1×Enzymatic Buffer, 5 mM MgCl₂, 1 mM DTT and 100 uM ATP for 1 hour. Then 10 ul detection reagents containing STK antibody (1:2) and SA-XL665 (1:100) diluted with 1× Detection Buffer were added and incubated with the reactions for 30 min. All the operations and reactions were performed at room temperature. HTRF assay was used for detection.



SDS-PAGE

Recombinant STK10 / LOK (1-348) protein 10% SDS-PAGE with Coomassie staining MW: 40.4 kDa Purity: >80%

ADDITIONAL INFORMATION

Related Product Information for STK10/LOK recombinant protein	Background: STK10 (Serine/Threonine Kinase 10) is a serine/threonine-protein kinase involved in regulation of lymphocyte migration. STK10 phosphorylates MSN and involved in regulation of lymphocyte migration by mediating phosphorylation of ERM proteins such as MSN. It acts as a negative regulator of MAP3K1/MEKK1 and may also act as a cell cycle regulator by acting as a polo kinase kinase. Diseases associated with STK10 include Testicular Germ Cell Tumor.
Product Categories/Family for STK10/LOK recombinant protein	Recombinant Proteins; Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	126362971
NCBI GeneID	6793
NCBI Accession #	NP_005981.3
NCBI GenBank Nucleotide #	NM_005990.3
UniProt Accession #	O94804; Q6NSK0; Q9UIW4; A6ND35; B2R8F5; B3KMY1
Molecular Weight	112,135 Da
NCBI Official Full Name	serine/threonine-protein kinase 10
NCBI Official Synonym Full Names	serine/threonine kinase 10
NCBI Official Symbol	STK10
NCBI Official Synonym Symbols	LOK; PRO2729
NCBI Protein Information	serine/threonine-protein kinase 10; lymphocyte-oriented kinase
UniProt Protein Name	Serine/threonine-protein kinase 10
UniProt Gene Name	STK10
UniProt Synonym Gene Names	LOK
UniProt Entry Name	STK10_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/stk10-recombinant-protein-baculovirus/60248>