

Recombinant Human LOK (N-GST tag)

Cat No:HR2R1674

For research use only

Overview

Quantity	10 ?g
Gene Symbol	LOK
Gene ID	N/A
Accession	NM_005990
Alternative Name	STK10, PRO2729
Species	Human
Source	Insect cells
Description	?LOK is a member of the Ste20 family of serine/threonine protein kinases, and is similar to several known polo-like kinase kinases. LOK 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 . LOK can also negatively regulate interleukin 2 expression in T-cells via the mitogen activated protein kinase kinase 1 pathway. MEKK1 and LOK have opposing roles in regulating the enhancer element of the IL-2 gene during T-cell activation. While MEKK1 is responsible for the CD28 signalling pathway that activates the CD28 response element, co-expression of LOK attenuates these effects .
Functions	The specific activity of LOK was determined to be 3.2 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	65
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.