

Recombinant Human GLK (N-GST tag)

Cat No:HR2R1461

For research use only

Overview

Quantity	10 ?g
Gene Symbol	GLK
Gene ID	N/A
Accession	NM_003618
Alternative Name	MAP4K3; MAPKKKK3; MEKKK3; RAB8IPL1
Species	Human
Source	Insect cells
Description	GLK is a member of the STE20 family of serine/threonine protein kinases and contains N-terminal catalytic domain and C-terminal regulatory domain. GLK is upstream of the MEKK1 target and is stimulated by UV radiation and TNF-? and can lead to the activation of the JNK signaling pathway. GLK can directly activate PKC-? during TCR signaling and people with systemic lupus erythematosus show considerable enhanced GLK expression and activation of PKC-? and the kinase IKK in T cells . GLK can act as a pro-apoptotic kinase which orchestrates activation of BAX via the concerted posttranscriptional modulation of PUMA, BAD, and BIM .
Functions	The specific activity of GLKwas determined to be 92nmol/min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	70
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.