

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	<p>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 .</p>
Functions	The specific activity of GLK was 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.