Recombinant Human HGK (N-GST tag)

Cat No:HR2R1495

For research use only

Overview

Quantity	10 ?g
Gene Symbol	HGK
Gene ID	N/A
Accession	NP_004825
Alternative Name	MAP4K4, NIK, FLH21957, FLJ10410, FLJ20373, FLJ90111, KIAA0687
Species	Human
Source	Insect cells
Description	?HGK is the mitogen-activated protein kinase kinase kinase kinase 4(MAP4K4) and a member of the serine/threonine protein kinase family. HGK has been shown to specifically activate MAPK8/JNK . The activation of MAPK8 by HGK can be inhibited by dominant-negative mutants of MAP3K7/TAK1, MAP2K4/MKK4, and MAP2K7/MKK7, which suggest that this kinase functions through the MAP3K7-MAP2K4-MAP2K7 kinase cascade and mediates TNF-a signaling. HGK-dependent signaling inhibits PPAR?-responsive gene expression, adipogenesis, and insulin-stimulated glucose transport .?
Functions	The specific activity of HGK was determined to be 54 nmol /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	64
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.