

Recombinant Human TBK1 (N-GST tag)

Cat No:HR2R1986

For research use only

Overview

Quantity	10 ?g
Gene Symbol	TBK1
Gene ID	N/A
Accession	BC034950
Alternative Name	NAK, T2K, FLJ11330
Species	Human
Source	Insect cells
Description	<p>TBK1, also known as NAK or NFkB-activating kinase, is an upstream protein kinase that can phosphorylate and activate the Ikb kinases . Activation of Ikb kinases allows the phosphorylation of Ikb protein which is then degraded via the ubiquitination pathway. This mechanism allows the activation of the NFkB transcriptional complex. TBK1 is a specific upstream regulator of Ikb kinases and can also interact and the Ikb protein TANK. TBK1 is a component of the virus-activated kinase that phosphorylate IRF3 and IRF7 allowing their dimerization and translocation to the nucleus, where they induce transcription of interferon .</p>
Functions	The specific activity of TBK1 was determined to be 282 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	105
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.