

Recombinant Human TAK1-TAB1 (N-GST tag)

Cat No:HR2R1980

For research use only

Overview

Quantity	10 ?g
Gene Symbol	TAK1-TAB1
Gene ID	N/A
Accession	NM_003188, NM_006116
Alternative Name	TAK1: MAP3K7, TGF1a; TAB1: MAP3K7IP1, 3'-Tab1, MGC57664
Species	Human
Source	Insect cells
Description	TAK1 is a serine/threonine protein kinase that mediates signaling by TGF? and morphogenetic protein (BMP) . In response to IL-1, TAK1 forms a kinase complex with TAB1 and this complex is required for the activation of nuclear factor kappa B (Nf?B). TAK1 can also activate MAPK8/JNK and MAP2K4/MKK4 and thus play a role in the cell response to environmental stress. Tak1 is essential for thymocyte development and activation and deletion of TAK1 prevents maturation of single-positive thymocytes displaying CD4 or CD8 . Thymocytes lacking TAK1 fail to activate Nf?B and JNK and are prone to apoptosis upon stimulation.
Functions	The specific activity of TAK1-TAB1 was determined to be 10 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	74
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.