

Recombinant Human p38 alpha (N-GST tag)

Cat No:HR2R1815

For research use only

Overview

Quantity	10 ?g
Gene Symbol	p38a
Gene ID	N/A
Accession	NM_139012
Alternative Name	CSBP1; CSBP2; CSPB1; PRKM14; PRKM15; SAPK2A; MAPK14
Species	Human
Source	Insect cells
Description	p38a (SAPK2A) is a member of the p38 MAPK family which are activated by various environmental stresses and proinflammatory cytokines . The activation of p38 requires its phosphorylation by MAP kinase kinases (MKKs), or its autophosphorylation triggered by the interaction of MAP3K7IP1/TAB1 protein with this kinase . The substrates of p38 include transcription regulator ATF2, MEF2C, MAX, cell cycle regulator CDC25B, and tumor suppressor p53, which suggest the roles of this kinase in stress related transcription and cell cycle regulation, as well as in genotoxic stress response.
Functions	The specific activity of p38a was determined to be 175 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	67
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.