

Recombinant Human MNK2 (N-GST tag)

Cat No:HR2R1760

For research use only

Overview

Quantity	10 ?g
Gene Symbol	MNK2
Gene ID	N/A
Accession	NM_017572
Alternative Name	MKNK2; GPRK7
Species	Human
Source	Insect cells
Description	MNK2 (MAP kinase-interacting kinase 2) contains a conserved C-terminal ERK-interacting domain, a catalytic domain with homology to the calcium/calmodulin-dependent family of kinases, and putative MAP kinase phosphorylation sites located within the T loop of the kinase domain. MNK2 binds tightly to the growth factor-regulated MAP kinases, ERK1 and ERK2. ERK and p38 phosphorylate MNK2, which stimulates its in vitro kinase activity toward a substrate, eukaryotic initiation factor-4E (eIF-4E) . A yeast two-hybrid screen showed the Mnk2 protein interacted with the ligand-binding domain of estrogen receptor beta (ERbeta) .
Functions	The specific activity of MNK2 was determined to be 93 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 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.