

## **Recombinant Human MEK2 (N-GST tag)**

Cat No:HR2R1715

For research use only

## Overview

Quantity	10 ?g
Gene Symbol	MEK2
Gene ID	N/A
Accession	NM_030662
Alternative Name	MAP2K2, MKK2, PRKMK2, MAPKK2
Species	Human
Source	Insect cells
Description	MEK2 is the member of MAPK kinase (MAPKK) family of signaling protein kinases. MEK2 is a dual-specificity kinase that activates the extracellular signal-regulated kinase (ERK) and mitogen-activated protein (MAP) kinase upon agonist binding to receptors. MEK2 plays a key role in the Ras/Raf/MEK/ERK mitogen-activated protein kinase (MAPK) signaling pathways. Approximately 30% of all human cancers have a constitutively activated MAPK pathway, and constitutive activation of MEK2 results in cellular transformation. The ERK/MAP kinase cascade regulates cell growth and differentiation.
Functions	The specific activity of MEK2 was determined to be 224 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	71
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.