

## Recombinant Human MEK5 (N-GST tag)

Cat No:HR2R1716

For research use only

### Overview

Quantity	10 ?g
Gene Symbol	MEK5
Gene ID	N/A
Accession	BC008838
Alternative Name	MAP2K5, MAPKK5, MKK5, PRKMK5, SAPKK5; SKK5; HsT17454
Species	Human
Source	Insect cells
Description	MEK5 or MAP2K5 (mitogen-activated protein kinase kinase 5) is a dual specificity protein kinase that belongs to the MAP kinase kinase family which specifically interacts with and activates MAPK7/ERK5. MEK5 itself can be phosphorylated and activated by MAP3K3/MEKK3, as well as by atypical protein kinase C isoforms (aPKCs). The signal cascade mediated by MEK5 is involved in growth factor stimulated cell proliferation and muscle cell differentiation . The rs3743354 polymorphism in the MEK5 promoter may affect the risk of developing colorectal cancer (CRC) .
Functions	The specific activity of MEK5 was determined to be 85nmol /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	77
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.