

## Active Recombinant Human MAPK13 protein, GST-tagged

Cat. No. MAPK13-357H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MAPK13 protein(O15264) (Met1-Leu365) was expressed in Insect Cells, fused with the GST tag at the N-terminus. Activated in vitro by MAP2K6.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	1-365 aa
<b>Form</b>	Supplied as sterile 50 mM Tris-HCl, 150 mM NaCl, 0.25 mM DTT, 0.1 mM EDTA, 0.1 mM PMSF, 25 % glycerol, pH 7.5.
<b>Bio-activity</b>	The specific activity was determined to be 55 nmol/min/mg using MBP as substrate.
<b>Molecular Mass</b>	The recombinant human MAPK13/GST chimera consists of 589 amino acids and predicts a molecular mass of 68.4 kDa. It migrates as an approximately 63.9 kDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	> 90 % as determined by SDS-PAGE
<b>Storage</b>	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

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**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** MAPK13 mitogen-activated protein kinase 13 [ Homo sapiens ]

**Official Symbol** MAPK13

**Synonyms** MAPK13; mitogen-activated protein kinase 13; PRKM13; p38delta; SAPK4; MAPK 13; MAP kinase 13; MAP kinase p38 delta; stress-activated protein kinase 4; mitogen-activated protein kinase p38 delta; MGC99536;

**Gene ID** 5603

**mRNA Refseq** NM\_002754

**Protein Refseq** NP\_002745

**MIM** 602899

**UniProt ID** O15264

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