

# 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](#)

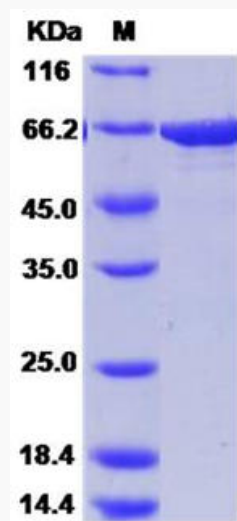
**UniProt ID** [O15264](#)

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SDS-PAGE



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