

# Recombinant Human MAP4K5, GST-tagged, Active

**Cat. No.** MAP4K5-341H    **Lot. No.** (See product label)

## SPECIFICATION

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Product Overview</b>      | Recombinant full-length human KHS1 was expressed by baculovirus in <i>Sf9 insect cell</i> using an N-terminal GST tag. MW = 135 kDa.                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>               | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>                | Sf9 Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>           | KHS1 belongs to serine/threonine kinase family that has a STE20-like protein kinase domain which stimulates the stress-activated protein kinase (SAPK, also known as Jun kinase or JNK) pathway. It is a mitogen-activated protein kinase kinase kinase 5, termed germinal center kinase related (GCKR). Recently, the KH domain of <i>Escherichia coli</i> polynucleotide phosphorylase has been reported to be necessary for autoregulation and growth at low temperature. |
| <b>Sequence</b>              | Full-length.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Applications</b>          | Kinase Assay, Western Blot.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage And Stability</b> | 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.                                                                                                                                                                                                                                      |

## GENE INFORMATION

|                  |                                                                                 |
|------------------|---------------------------------------------------------------------------------|
| <b>Gene Name</b> | MAP4K5 mitogen-activated protein kinase kinase kinase kinase 5 [ Homo sapiens ] |
|------------------|---------------------------------------------------------------------------------|

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|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>            | MAP4K5; mitogen-activated protein kinase kinase kinase 5; KHS; GCKR; KHS1; MAPKKKK5; germinal center kinase-related; kinase homologous to SPS1/STE20; EC 2.7.11.1; MAPK/ERK kinase kinase 5; MEK kinase kinase 5; MEKKK 5 |
| <b>Gene ID</b>             | <a href="#">11183</a>                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>         | <a href="#">NM_006575</a>                                                                                                                                                                                                 |
| <b>Protein Refseq</b>      | <a href="#">NP_006566</a>                                                                                                                                                                                                 |
| <b>MIM</b>                 | <a href="#">604923</a>                                                                                                                                                                                                    |
| <b>UniProt ID</b>          | <a href="#">Q9Y4K4</a>                                                                                                                                                                                                    |
| <b>Chromosome Location</b> | 14q11.2-q21                                                                                                                                                                                                               |
| <b>Function</b>            | ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; small GTPase regulator activity; transferase activity                                                                         |

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