

## Recombinant Human MAP2K4 protein, His/MBP-tagged

**Cat. No.** MAP2K4-304H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| <b>Product Overview</b> | Recombinant Human MAP2K4(218-362 aa) fused with His/MBP tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 218-362 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | <p>This gene encodes a member of the mitogen-activated protein kinase (MAPK) family. Members of this family act as an integration point for multiple biochemical signals and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation, and development. They form a three-tiered signaling module composed of MAPKKKs, MAPKKs, and MAPKs. This protein is phosphorylated at serine and threonine residues by MAPKKKs and subsequently phosphorylates downstream MAPK targets at threonine and tyrosine residues. A similar protein in mouse has been reported to play a role in liver organogenesis. A pseudogene of this gene is located on the long arm of chromosome X. Alternative splicing results in multiple transcript variants.</p> |
| <b>Form</b>             | Liquid in PBS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>           | SDS-PAGE >90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Applications</b>     | WB Positive Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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| <b>Stability</b>        | Samples are stable for up to twelve months from date of receipt at -70°C.                                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage</b>          | Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                             |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Gene Name</b>        | MAP2K4 mitogen-activated protein kinase kinase 4 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Official Symbol</b>  | MAP2K4                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>         | MAP2K4; mitogen-activated protein kinase kinase 4; SERK1; dual specificity mitogen-activated protein kinase kinase 4; JNKK1; MEK4; MKK4; PRKMK4; MEK 4; MAPKK 4; SAPK kinase 1; MAPK/ERK kinase 4; SAPK/ERK kinase 1; MAP kinase kinase 4; JNK-activated kinase 1; JNK activating kinase 1; JNK-activating kinase 1; c-Jun N-terminal kinase kinase 1; stress-activated protein kinase kinase 1; JNKK; SEK1; MAPKK4; SAPKK1; SAPKK-1; |
| <b>Gene ID</b>          | 6416                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>mRNA Refseq</b>      | NM_003010                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Protein Refseq</b>   | NP_003001                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>MIM</b>              | 601335                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>UniProt ID</b>       | P45985                                                                                                                                                                                                                                                                                                                                                                                                                                |