

## Recombinant Rat Map3k12 Protein, His-tagged

**Cat. No.** Map3k12-1758R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Product Overview</b> | Recombinant Rat Map3k12 Protein (Ile158-Ile399) with N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | Ile158-Ile399                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | Predicted to enable JUN kinase kinase kinase activity; protein homodimerization activity; and protein kinase binding activity. Predicted to be involved in several processes, including JNK cascade; positive regulation of MAPK cascade; and protein phosphorylation. Predicted to act upstream of or within negative regulation of motor neuron apoptotic process. Predicted to be located in cytosol; growth cone; and plasma membrane. Orthologous to human MAP3K12 (mitogen-activated protein kinase kinase kinase 12). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 31.0 kDa<br>Accurate Molecular Mass: 28 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>      | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Storage Buffer</b> | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                          |
| <b>Reconstitution</b> | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                            |

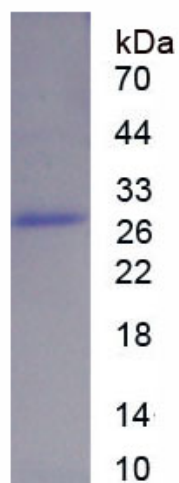
## GENE INFORMATION

|                        |                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Map3k12 mitogen activated protein kinase kinase kinase 12 [ Rattus norvegicus (Norway rat) ] |
| <b>Official Symbol</b> | Map3k12                                                                                      |
| <b>Synonyms</b>        | MAP3K12; mitogen activated protein kinase kinase kinase 12;                                  |
| <b>Gene ID</b>         | 25579                                                                                        |
| <b>mRNA Refseq</b>     | NM_013055                                                                                    |
| <b>Protein Refseq</b>  | NP_037187                                                                                    |
| <b>UniProt ID</b>      | Q63796                                                                                       |

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