

# Recombinant Mouse Map2k1 Protein, Gly/Pro-tagged, Alexa Fluor 488 conjugated

**Cat. No.** MAP2K1-483MAF488    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |                                                                                                                                                                                                 |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Alexa Fluor 488 conjugated recombinant Mouse MAP2K1 (NP_032953.1) (Met1-Ile393), fused with two additional amino acids (Gly & Pro) at the N-terminus, was produced in Baculovirus-Insect cells. |
| <b>Species</b>                      | Mouse                                                                                                                                                                                           |
| <b>Source</b>                       | Insect Cells                                                                                                                                                                                    |
| <b>ProteinLength</b>                | 395                                                                                                                                                                                             |
| <b>Form</b>                         | Lyophilized                                                                                                                                                                                     |
| <b>Molecular Mass</b>               | The recombinant mouse MAP2K1 consists of 395 amino acids and predicts a molecular mass of 43.6 kDa. It migrates as an approximately 45 kDa band in SDS-PAGE under reducing conditions.          |
| <b>N-terminal Sequence Analysis</b> | Gly                                                                                                                                                                                             |
| <b>Endotoxin</b>                    | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                    |
| <b>Purity</b>                       | > 90 % as determined by SDS-PAGE                                                                                                                                                                |
| <b>Characteristic</b>               | Disulfide-linked homodimer                                                                                                                                                                      |

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|                       |                                                                                                                                                                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | <p>Labeled with Alexa Fluor 488 via amines</p> <p>Excitation Wavelength: 488 nm</p> <p>Emission Wavelength: 515-545 nm</p>                                                |
| <b>Stability</b>      | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                                            |
| <b>Storage</b>        | Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.       |
| <b>Storage Buffer</b> | Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10% glycerol, pH 8.0. Normally 5%-8% trehalose and mannitol are added as protectants before lyophilization.             |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| <b>Conjugation</b>    | Alexa Fluor 488                                                                                                                                                           |

## GENE INFORMATION

|                        |                                                                   |
|------------------------|-------------------------------------------------------------------|
| <b>Gene Name</b>       | Map2k1 mitogen-activated protein kinase kinase 1 [ Mus musculus ] |
| <b>Official Symbol</b> | MAP2K1                                                            |
| <b>Gene ID</b>         | 26395                                                             |
| <b>mRNA Refseq</b>     | NM_008927                                                         |
| <b>Protein Refseq</b>  | NP_032953                                                         |

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