

# 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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	Labeled with Alexa Fluor 488 via amines Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
<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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