Recombinant Mouse Mapk1 Protein, Gly/Pro-tagged, Alexa Fluor 647 conjugated

Cat. No. Mapk1-482MAF647 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 647 conjugated recombinant Mouse Mapk1 (P63085) (Met1-Ser358), fused with two additional amino acids (Gly & Pro) at the N-terminus, was produced in Baculovirus-Insect cells.
Species	Mouse
Source	Insect Cells
ProteinLength	360
Form	Lyophilized
Molecular Mass	The recombinant mouse MAPK1 consists of 360 amino acids and predicts a molecular mass of 41.4 kDa. It migrates as an approximately 37 kDa band in SDS-PAGE under reducing conditions.
N-terminal Sequence Analysis	Gly
Endotoxin	< 1.0 EU/ μg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Characteristic	Disulfide-linked homodimer

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	Labeled with Alexa Fluor 647 via amines Excitation = 650 nm Emission = 668 nm
Stability	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
Storage	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.
Storage Buffer	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10% gly, pH 8.0. Normally 5%-8% trehalose and mannitol are added as protectants before lyophilization.
Reconstitution	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.
Conjugation	Alexa Fluor 647

GENE INFORMATION

Gene Name	Mapk1 mitogen-activated protein kinase 1 [Mus musculus]
Official Symbol	Mapk1
Gene ID	26413
mRNA Refseq	NM_001038663
Protein Refseq	NP_001033752

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