

# Recombinant Human MAPK1 Protein, GST-tagged, Alexa Fluor 647 conjugated

Cat. No. MAPK1-7267HAF647 Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Alexa Fluor 647 conjugated recombinant human MAPK1 (NP\_002736.3) (Met 1-Ser 360), fused with the GST tag at the N-terminus, was produced in Baculovirus-Insect cells.

**Species** Human

**Source** Insect Cells

**ProteinLength** 585

**Form** Lyophilized

**Molecular Mass** The recombinant human ERK2/GST chimera consists of 585 amino acids and predicts a molecular mass of 67 kDa as estimated in SDS-PAGE under reducing conditions.

**Endotoxin** < 1.0 EU/ µg of the protein as determined by the LAL method.

**Characteristic** Disulfide-linked homodimer  
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.

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<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 50 mM Tris, 100 mM NaCl, 0.5 mM PMSF, 10% Glycerol, pH 8.0
<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 647

## GENE INFORMATION

<b>Gene Name</b>	MAPK1 mitogen-activated protein kinase 1 [ Homo sapiens ]
<b>Official Symbol</b>	MAPK1
<b>Gene ID</b>	5594
<b>mRNA Refseq</b>	NM_002745
<b>Protein Refseq</b>	NP_002736
<b>MIM</b>	176948
<b>UniProt ID</b>	P28482

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