

Recombinant Human MAPK1 Protein, GST-tagged, Alexa Fluor 555 conjugated

Cat. No. MAPK1-7267HAF555 **Lot. No.** (See product label)

SPECIFICATION

Product Overview Alexa Fluor 555 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 555 via amines
 With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.

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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 50 mM Tris, 100 mM NaCl, 0.5 mM PMSF, 10% Glycerol, pH 8.0
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 555

GENE INFORMATION

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

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