

Active Recombinant Human MAPK1 protein, GST-tagged

Cat. No. MAPK1-2577H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ERK2/MAPK1 Protein is produced by E. coli expression system. The target protein is expressed with sequence (Met1-Ser360) of human MAPK1 (Accession #NP_002736.3) fused with a GST tag at the N-terminus.
Species	Human
Source	E.coli
ProteinLength	Met1-Ser360
Form	Supplied in 50mM Tris150mM NaCl0.1mM EDTA0.25mM DTT0.1mM AEBSF25%glycerol10mM GSHpH 8.0.Contact us for customized product form or formulation.
Bio-activity	1.Measured by its binding ability in a functional ELISA. Immobilized Human MAPK1 Protein at 1µg/mL (100 µL/well) can bind ERK1/2 Rabbit mAb with a linear range of 0.017-4.92 ng/mL.
Molecular Mass	66 kDa
Purity	> 70% by SDS-PAGE.
Storage	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

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Reconstitution Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

GENE INFORMATION

Gene Name [MAPK1 mitogen-activated protein kinase 1 \[Homo sapiens \]](#)

Official Symbol [MAPK1](#)

Synonyms

MAPK1; mitogen-activated protein kinase 1; PRKM1, PRKM2; ERK; ERK2; MAPK2; p41mapk; ERK-2; MAPK 2; p42-MAPK; MAP kinase 1; MAP kinase 2; MAP kinase isoform p42; protein tyrosine kinase ERK2; mitogen-activated protein kinase 2; extracellular signal-regulated kinase 2; p38; p40; p41; ERT1; PRKM1; PRKM2; P42MAPK;

Gene ID [5594](#)

mRNA Refseq [NM_002745](#)

Protein Refseq [NP_002736](#)

MIM [176948](#)

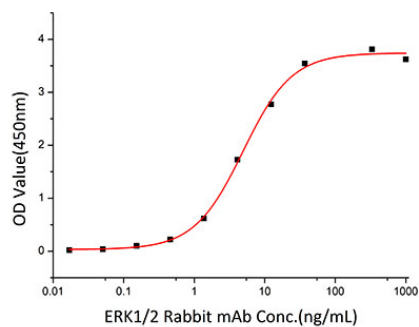
UniProt ID [P28482](#)

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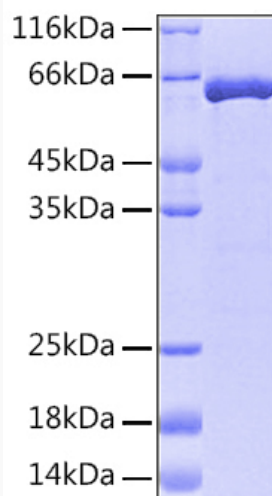
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Bio-activity



SDS-PAGE



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