Recombinant Human MAPK3 protein, His-tagged

Cat. No. ERK1-125H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAPK3 protein (Pro75-Thr312) was fused to His-tag at N-terminus and expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	238
Description	The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described.
Form	Freeze-dried powder. Buffer: 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Molecular Mass	Predicted Molecular Mass: 31.3 kDa. Accurate Molecular Mass: 28 kDa as determined by SDS-PAGE reducing conditions.
Purity	>90% as determined by SDS-PAGE.

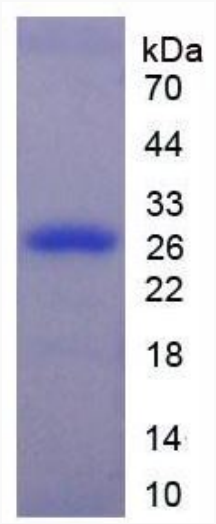
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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determinedby accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and noobvious degradation and precipitation were observed. The loss rate is less than 5% within theexpiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Concentration	350 μg/mL
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do notvortex.

GENE INFORMATION

Gene Name	MAPK3
Official Symbol	MAPK3
Synonyms	ERK1; ERT2; ERK-1; PRKM3; P44ERK1; P44MAPK; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK
Gene ID	5595
mRNA Refseq	NM_002746.3
Protein Refseq	NP_002737.2
MIM	601795

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UniProt ID	P27361
SDS-PAGE of ERK1-125H	

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