

## Recombinant Human MAPK6 Protein, GST-tagged

Cat. No. MAPK6-01H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full-length human ERK3 (MAPK6) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>Description</b>	The protein encoded by this gene is a member of the Ser/Thr protein kinase family, and is most closely related to mitogen-activated protein kinases (MAP kinases). MAP kinases also known as extracellular signal-regulated kinases (ERKs), are activated through protein phosphorylation cascades and act as integration points for multiple biochemical signals. This kinase is localized in the nucleus, and has been reported to be activated in fibroblasts upon treatment with serum or phorbol esters.
<b>Molecular Mass</b>	~135 kDa
<b>Purity</b>	> 75%
<b>Stability</b>	One year at -70 centigrade from date of shipment.
<b>Storage</b>	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
<b>Concentration</b>	0.05 µg/µL

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<b>Storage Buffer</b>	50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol
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<b>Shipping</b>	Dry ice.
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## GENE INFORMATION

<b>Gene Name</b>	MAPK6 mitogen-activated protein kinase 6 [ Homo sapiens (human) ]
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<b>Official Symbol</b>	MAPK6
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<b>Synonyms</b>	MAPK6; mitogen-activated protein kinase 6; ERK3; PRKM6; p97MAPK; HsT17250; mitogen-activated protein kinase 6; ERK-3; MAP kinase 6; MAPK 6; extracellular signal-regulated kinase 3; extracellular signal-regulated kinase, p97; p97-MAPK; protein kinase, mitogen-activated 5; protein kinase, mitogen-activated 6; EC 2.7.11.24
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<b>Gene ID</b>	5597
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<b>mRNA Refseq</b>	NM_002748
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<b>Protein Refseq</b>	NP_002739
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<b>MIM</b>	602904
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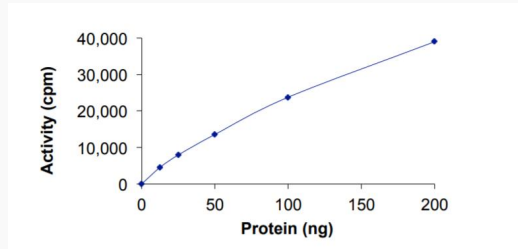
<b>UniProt ID</b>	Q16659
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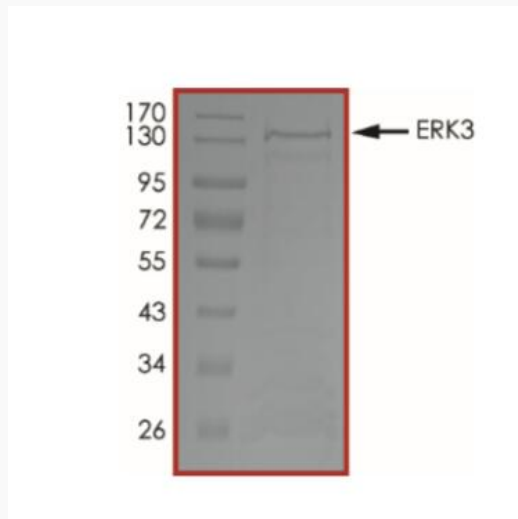
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**Activity**



The specific activity of ERK3 was determined to be 22 nmol/min/mg as per activity assay protocol.

**Purity**



The purity of ERK3 protein was determined to be > 75% by densitometry.

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