

Recombinant Human MAPK6 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant full-length human ERK3 (MAPK6) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Insect Cells
Description	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.
Molecular Mass	~135 kDa
Purity	> 75%
Stability	One year at -70 centigrade from date of shipment.
Storage	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.
Concentration	0.05 µg/µL

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Storage Buffer	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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Shipping	Dry ice.
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GENE INFORMATION

Gene Name	MAPK6 mitogen-activated protein kinase 6 [Homo sapiens (human)]
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Official Symbol	MAPK6
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Synonyms	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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Gene ID	5597
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mRNA Refseq	NM_002748
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Protein Refseq	NP_002739
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MIM	602904
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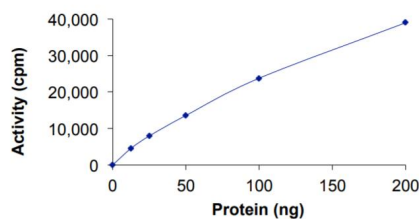
UniProt ID	Q16659
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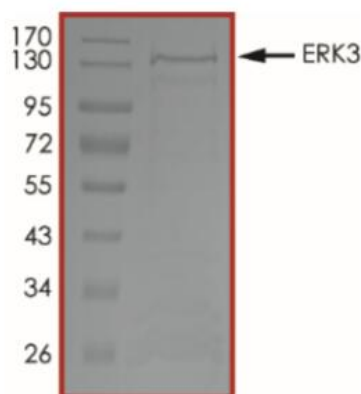
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Activity



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.