Recombinant Human MAPK6 Protein (M9-I327), Tag Free

Cat. No. MAPK6-0108H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ERK3(M9-I327) (L290V) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	M9-I327
Description	Atypical MAPK protein. Phosphorylates microtubule-associated protein 2 (MAP2) and MAPKAPK5. The precise role of the complex formed with MAPKAPK5 is still unclear, but the complex follows a complex set of phosphorylation events: upon interaction with atypical MAPKAPK5, ERK3/MAPK6 is phosphorylated at Ser-189 and then mediates phosphorylation and activation of MAPKAPK5, which in turn phosphorylates ERK3/MAPK6. May promote entry in the cell cycle.
Form	Liquid
Endotoxin	< 0.01 EU per μg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the

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	protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	MAPK6 mitogen-activated protein kinase 6 [Homo sapiens (human)]
Official Symbol	MAPK6
Synonyms	MAPK6; mitogen-activated protein kinase 6; PRKM6; ERK3; HsT17250; p97MAPK; ERK-3; MAPK 6; p97-MAPK; MAP kinase 6; MAP kinase isoform p97; protein kinase, mitogen-activated 5; protein kinase, mitogen-activated 6; extracellular signal-regulated kinase 3; extracellular signal-regulated kinase, p97; DKFZp686F03189;
Gene ID	5597
mRNA Refseq	NM_002748
Protein Refseq	NP_002739
MIM	602904
UniProt ID	Q16659

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