

Recombinant Human MAPK4 Protein (A2-W587), His/GST tagged

Cat. No. MAPK4-0111H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human 8His-GST-TEV-GG-MAPK4(A2-W587 end) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	A2-W587
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, ERK4/MAPK4 is phosphorylated at Ser-186 and then mediates phosphorylation and activation of MAPKAPK5, which in turn phosphorylates ERK4/MAPK4. 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.

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Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50mM Tris-HCl (pH 7.5), 200mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	MAPK4 mitogen-activated protein kinase 4 [Homo sapiens (human)]
Official Symbol	MAPK4
Synonyms	MAPK4; mitogen-activated protein kinase 4; PRKM4; Erk3 related; Erk4; ERK-4; MAPK 4; p63-MAPK; Erk3-related; MAP kinase 4; MAP kinase isoform p63; extracellular signal-regulated kinase 4; ERK3; p63MAPK;
Gene ID	5596
mRNA Refseq	NM_002747
Protein Refseq	NP_002738
MIM	176949
UniProt ID	P31152

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