

Recombinant Human Mitogen-Activated Protein Kinase 12, His-tagged

Cat. No. MAPK12-1264H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human full length MAPK12,His-tagged is expressed in Insect cells.	
Species	Human	
Source	Insect Cells	
Description	MAPK12 is an enzyme that in humans is encoded by the MAPK12 gene. Activation of members of the mitogen-activated protein kinase family is a major mechanism for transduction of extracellular signals. Stress-activated protein kinases are one subclass of MAP kinases. The protein encoded by this gene functions as a signal transducer during differentiation of myoblasts to myotubes.	
Form	Liquid in 50 mM Tris, pH 7.5 + 150 mM NaCl + 0.25 mM EDTA + 0.01% Triton X-100 + 2 mM DTT + 50% glycerol.	
Molecular Weight	46 kDa	
Storage	Stable for 6 months in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.	
Official Symbol	MAPK12	
nullValue_other	Function	ATP binding; MAP kinase activity; MAP kinase kinase activity; MP kinase activity; nucleotide binding; protein binding; protein serine/threonine kinase activity; protein serine/threonine kinase activity; transferase activity

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Full Length
Full L.

GENE INFORMATION

Gene Name
MAPK12mitogen-activated protein kinase 12 [Homosapiens]

Synonyms

MAPK12;mitogen-activated protein kinase 12; ERK3; ERK6; ERK-6; SAPK3;PRKM12; SAPK-3; P38GAMMA; stress-activated proteinkinase 3; mitogen-activated protein kinase 3; EC 2.7.11.24; MAPkinase 12; OTTHUMP00000028548; OTTHUMP00000196671; MAP kinase p38 gamma;extracellular signal-regulated kinase 6; mitogen-activated protein kinase p38gamma

Gene ID
6300
mRNA Refseq
NM_002969
Protein Refseq
NP_002960
MIM
602399
UniProt ID
P53778
**Chromosome
Location**
22q13.33
Pathway

Amyotrophic lateral sclerosis(ALS); Epithelial cell signaling in Helicobacter pylori infection; Fc epsilonRI signaling pathway; GnRH signaling pathway; Leukocyte transendothelialmigration; MAPK signaling pathway; Neurotrophin signaling pathway; RIG-I-likereceptor signaling pathway; T cell receptor signaling pathway; Toll-likereceptor signaling pathway; VEGF signaling pathway; Signalling by NGF

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