Active Recombinant Human MEKK6, GST-tagged

Cat. No. MAP3K6-1429H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MEKK6 (620-950) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	620-950 aa
Description	MEKK6 or MAP3K6 (mitogen-activated protein kinase kinase kinase 6) is a member of the serine/threonine protein kinase family. MEKK6 was identified by its interaction with MAP3K5/ASK, a protein kinase and an activator of c-Jun kinase (MAPK7/JNK) and MAPK14/p38 kinase. MEKK6 cascades relay signals from the cell surface to the nucleus which result in gene transcription. MEKK6 activates the JNK and p38 pathway and induces apoptosis when overexpressed in stably transfected cells. MEKK6 transcript is expressed in several tissues, with the highest expression in heart and skeletal muscle.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Bio-activity	10 nmol/min/mg
Molecular Mass	~67 kDa

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Purity	>95%
Applications	Kinase Assay, Western Blot
Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1μg/μl

GENE INFORMATION

Gene Name	MAP3K6 mitogen-activated protein kinase kinase kinase 6 [Homo sapiens]
Official Symbol	MAP3K6
Synonyms	MAP3K6; mitogen-activated protein kinase kinase kinase 6; apoptosis signal regulating kinase 2; ASK2; MAPKKK6; MEKK6; apoptosis signal-regulating kinase 2; MGC20114; MGC125653;
Gene ID	9064
mRNA Refseq	NM_004672
Protein Refseq	NP_004663
MIM	604468
UniProt ID	O95382
Chromosome Location	1p36.11

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Pathway	Insulin Signaling, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; p38 MAPK signaling pathway, organism-specific biosystem;
Function	ATP binding; MAP kinase kinase kinase activity; magnesium ion binding; nucleotide binding; protein serine/threonine kinase activity;

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