

Recombinant Human MAP2K5 Protein, GST-tagged

Cat. No. MAP2K5-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAP2K5 Protein with a GST tag was expressed in insect cells.
Species	Human
Source	Insect Cells
Description	The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase specifically interacts with and activates MAPK7/ERK5. This kinase itself can be phosphorylated and activated by MAP3K3/MEKK3, as well as by atypical protein kinase C isoforms (aPKCs). The signal cascade mediated by this kinase is involved in growth factor stimulated cell proliferation and muscle cell differentiation. Three alternatively spliced transcript variants of this gene encoding distinct isoforms have been described.
Form	Liquid
Molecular Mass	77.0 kDa
Purity	70%-90%
Notes	Small volumes of MEK5 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

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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.
Storage Buffer	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Warning	For Research Use Only. Not for use in diagnostic procedures.
GENE INFORMATION	
Gene Name	MAP2K5 mitogen-activated protein kinase kinase 5 [Homo sapiens (human)]
Official Symbol	MAP2K5
Synonyms	MAP2K5; MAPKK5; MKK5; PRKMK5; SAPKK5; SKK5; HsT17454; mitogen-activated protein kinase kinase 5; dual specificity mitogen-activated protein kinase kinase 5; MAP kinase kinase 5; MAP kinase kinase MEK5b; MAPK/ERK kinase 5; MAPKK 5; MEK 5; EC 2.7.12.2
Gene ID	5607
mRNA Refseq	NM_145160
Protein Refseq	NP_660143
MIM	602520
UniProt ID	Q13163