Recombinant Human MAP4K5 protein, His & T7-tagged

Cat. No. MAP4K5-1536H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAP4K5 aa. (Thr613~His842 (Accession # Q9Y4K4)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Thr613~His842
Description	This gene encodes a member of the serine/threonine protein kinase family, that is highly similar to yeast SPS1/STE20 kinase. Yeast SPS1/STE20 functions near the beginning of the MAP kinase signal cascades that is essential for yeast pheromone response. This kinase was shown to activate Jun kinase in mammalian cells, which suggested a role in stress response. Two alternatively spliced transcript variants encoding the same protein have been described for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.8kDa.
Endotoxin	<1.0EU per 1μg (determined by the LAL method).
Purity	>95%
Characteristic	The isoelectric point is 6.9.

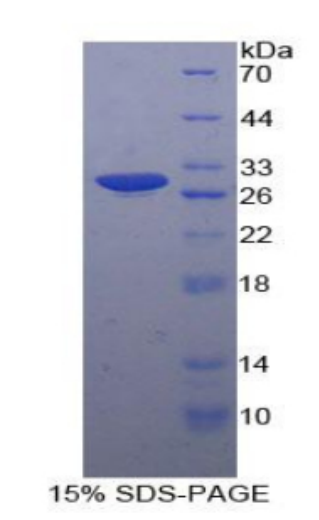
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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	MAP4K5 mitogen-activated protein kinase kinase kinase kinase 5 [Homo sapiens (human)]
Official Symbol	MAP4K5
Synonyms	KHS; GCKR; KHS1; MAPKKKK5; MAPK/ERK kinase kinase kinase 5; MEK kinase kinase 5; MEKKK 5; germinal center kinase-related; kinase homologous to SPS1/STE20; mitogen-activated protein kinase kinase kinase kinase 5
Gene ID	11183
mRNA Refseq	NM_006575.4
Protein Refseq	NP_006566.2

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UniProt ID	Q9Y4K4
SDS-PAGE	 15% SDS-PAGE

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