

Recombinant Human MAPKAPK5 Protein, His-tagged

Cat. No. MAPKAPK5-642H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAPKAPK5, transcript variant 1, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	The protein encoded by this gene is a tumor suppressor and member of the serine/threonine kinase family. In response to cellular stress and proinflammatory cytokines, this kinase is activated through its phosphorylation by MAP kinases including MAPK1/ERK, MAPK14/p38-alpha, and MAPK11/p38-beta. The encoded protein is found in the nucleus but translocates to the cytoplasm upon phosphorylation and activation. This kinase phosphorylates heat shock protein HSP27 at its physiologically relevant sites. Two alternately spliced transcript variants of this gene encoding distinct isoforms have been reported.
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl. Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Molecular Mass	53.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	MAPKAPK5 mitogen-activated protein kinase-activated protein kinase 5 [Homo sapiens]
Official Symbol	MAPKAPK5
Synonyms	MAPKAPK5; mitogen-activated protein kinase-activated protein kinase 5; MAP kinase-activated protein kinase 5; PRAK; MAPKAPK-5; MAPKAP kinase 5; MAPK-activated protein kinase 5; p38-regulated/activated protein kinase; MK5; MK-5; MAPKAP-K5;
Gene ID	8550
mRNA Refseq	NM_003668
Protein Refseq	NP_003659
MIM	606723
UniProt ID	Q8IW41

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