

Product datasheet for TP320487

MAPKAP Kinase 2 (MAPKAPK2) (NM_004759) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human mitogen-activated protein kinase-activated protein kinase 2 (MAPKAPK2), transcript variant 1, 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC220487 representing NM_004759
 Red=Cloning site Green=Tags(s)

MLSNSQGQSPVPFPAPAPPPQPPTPALPHPPAQPPPPPPQFPQFHVKSLQIKKNAIIDDYKVTSQL
 GLGINGKVLQIFNKRTQEKFALKMLQDCPKARREVELHWRASQCPHIVRIVDVYENLYAGRKCLLIVMEC
 LDGGELFSRIQDRGDQAFTEREASEIMKSIGEAIQYLHSINIAHRDVKPENLLYTSKRPNAILKLTDFGF
 AKETTSHNSLTTPCYTPYYVAPEVLGPEKYDKSCDMWVSLGVMYILLCGYPPFYSNHGLAISPGMKTRIR
 MGQYEFNPPEWSEVSEEVKMLIRNLLKTEPTQRMTITEFMNHPWIMQSTKVPQTPHLSRVLKEDKERWE
 DVKGCLHDKNSDQATWLTRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 42 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_004750](#)



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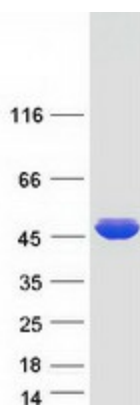
Locus ID:	9261
UniProt ID:	P49137
RefSeq Size:	3608
Cytogenetics:	1q32.1
RefSeq ORF:	1110
Synonyms:	MAPKAP-K2; MK-2; MK2

Summary: This gene encodes a member of the Ser/Thr protein kinase family. This kinase is regulated through direct phosphorylation by p38 MAP kinase. In conjunction with p38 MAP kinase, this kinase is known to be involved in many cellular processes including stress and inflammatory responses, nuclear export, gene expression regulation and cell proliferation. Heat shock protein HSP27 was shown to be one of the substrates of this kinase in vivo. Two transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: MAPK signaling pathway, Neurotrophin signaling pathway, VEGF signaling pathway

Product images:



Coomassie blue staining of purified MAPKAPK2 protein (Cat# TP320487). The protein was produced from HEK293T cells transfected with MAPKAPK2 cDNA clone (Cat# [RC220487]) using MegaTran 2.0 (Cat# [TT210002]).