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Product datasheet for AR50629PU-S

MAPKAP Kinase-3 (1-382, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	MAPKAP Kinase-3 (1-382, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMDGETAE EQGGPVPPPV APGGPGLGGA PGGRREPKKY AVTDDYQLSK QVLGLGVNGK VLECFHRRTG QKCALKLLYD SPKARQEVDH HWQASGGPHI VCILDVYENM HHGKRCLLII MECMEGGELF SRIQERGDQA FTEREAAEIM RDIGTAIQFL HSHNIAHRDV KPENLLYTSK EKDAVLKLTD FGFAKETTQN ALQTPCYTPY YVAPEVLGPE KYDKSCDMWS LGVIMYILLC GFPPFYSNTG QAISPGMKRR IRLGQYGFPN PEWSEVSEDA KQLIRLLLKT DPTERLTITQ FMNHPWINQS MVVPQTPLHT ARVLQEDKDH WDEVKEEMTS ALATMRVDYD QVKIKDLKTS NNRLLNKRRK KQAGSSSASQ GCNNQ
Tag:	His-tag
Predicted MW:	45.4 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human MAPKAPK3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001230854
Locus ID:	7867
UniProt ID:	Q16644, A0A024R2W7
Cytogenetics:	3p21.2

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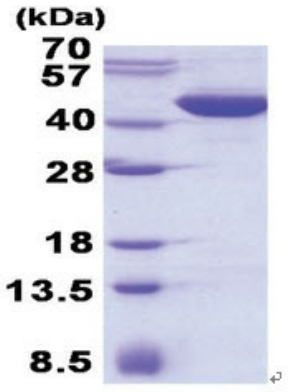
Synonyms: 3PK; MAPKAP-K3; MAPKAP3; MAPKAPK-3; MDPT3; MK-3; MK3

Summary: This gene encodes a member of the Ser/Thr protein kinase family. This kinase functions as a mitogen-activated protein kinase (MAP kinase)- activated protein kinase. MAP kinases are also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This kinase was shown to be activated by growth inducers and stress stimulation of cells. In vitro studies demonstrated that ERK, p38 MAP kinase and Jun N-terminal kinase were all able to phosphorylate and activate this kinase, which suggested the role of this kinase as an integrative element of signaling in both mitogen and stress responses. This kinase was reported to interact with, phosphorylate and repress the activity of E47, which is a basic helix-loop-helix transcription factor known to be involved in the regulation of tissue-specific gene expression and cell differentiation. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Sep 2011]

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: MAPK signaling pathway, VEGF signaling pathway

Product images:



15% SDS-PAGE (3ug).