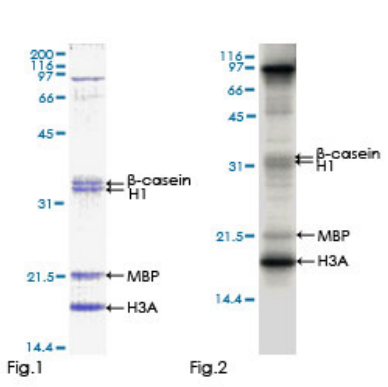
Full-Length

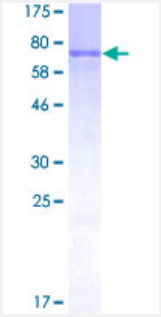
MAPKAPK5 (Human) Recombinant Protein (P01)

Catalog # H00008550-P01 Size 25 ug, 10 ug

Applications



Kinase Assay



Specification

Product Description	Human MAPKAPK5 full-length ORF (AAH47284, 1 a.a. - 471 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence	MSEESDMDKAIKETSILEEYSINWTQKLGAGISGPVRVCVKKSTQERFALKILLDRPKARNEVRLH MMCATHPNIVQIIEVFANSVQFPHESSPRARLLIVMEMMEGGELFHRISQHRHFTEKQASQVTKQIA LALRHCHLLNIAHRDLKPENLLFKDNSLDAPVKLCDFGFAKIDQGDLMTPQFTPYYVAPQVLEAQR RHQKEKSGIIPTSPTPYTYNKSCDLWSLGVIIYVMLCGYPPFYSKHHSRTIPKDMRRKIMTGSFEFPE EEWSQISEMAKDVVRKLLKVKPEERLTIEGVLDHPWLNSTEALDNVLPSAQLMMDKAVVAGIQQ AHAEQLANMRIQDLKVSLKPLHSVNNPILRKRKLLGTKPKDSVYIHDHENGAEDSNVALEKLRDVI AQCILPQAGENEDEKLNEVMQEAWKYNRECKLLRDTLQSFSWNGRGFTDKVDRLKLAEIVKQVI EEQTTSHESQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	77.55
Interspecies Antigen Sequence	Mouse (97); Rat (96)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Kinase Assay

  Protocol Download

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MAPKAPK5

Entrez GeneID	8550
GeneBank Accession#	BC047284
Protein Accession#	AAH47284
Gene Name	MAPKAPK5
Gene Alias	PRAK
Gene Description	mitogen-activated protein kinase-activated protein kinase 5
Omim ID	606723
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a 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. In vitro, 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. [provided by RefSeq
Other Designations	p38-regulated/activated protein kinase

Pathway

- MAPK signaling pathway