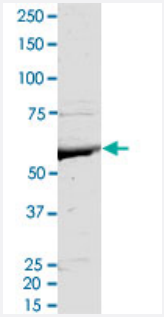
Bioactive Full-Length

MAPKAPK5 (Human) Recombinant Protein

Catalog # P4718 Size 100 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human MAPKAPK5 (NM_003668.2, 1 a.a. - 471 a.a.) full-length recombinant protein expressed in *E scherichia coli*.
Host	Escherichia coli
Theoretical MW (kDa)	54.161
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purification	Immobilized metal affinity chromatography
Concentration	0.772 ug/uL

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Activity	11 pmol/ug x min
Quality Control Testing	2 ug/lane SDS-PAGE Stained with Coomassie Blue
Storage Buffer	In 50 mM Hepes, 100 mM NaCl, pH 7.5. (5 mM DTT, 20% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — MAPKAPK5

Entrez GeneID	8550
Protein Accession#	NM_003668.2
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

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- MAPK signaling pathway

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