

MAPKAPK5 recombinant protein

MAPKAPK5, Active

CATALOG # AAA73677	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

MAPKAPK5; Active; PRAK; MAPKAPK5 recombinant protein

PRODUCT SPECIFICATIONS

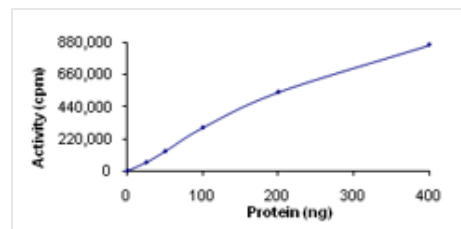
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for MAPKAPK5 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for MAPKAPK5 recombinant protein	Recombinant full-length human MAPKAPK5 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_003668. MAPKAPK5 is a member of the serine/threonine kinase family that responds to cellular stress and proinflammatory cytokines. MAPKAPK5 is activated through its phosphorylation by MAP kinases including MAPK1/ERK, MAPK14/p38-alpha, and MAPK11/p38-beta (1). MAPKAPK5 is activated in HeLa cells in response to cellular stress and proinflammatory cytokines. MAPKAPK5 activity is regulated by p38-alpha and p38-beta both in vitro and in vivo, and thr-182 is the regulatory phosphorylation site of MAPKAPK5 (2). In vitro, MAPKAPK5 kinase phosphorylates heat shock protein HSP27 at its physiologically relevant sites.
Product Categories/Family for MAPKAPK5 recombinant protein	Protein Kinases; Angiogenesis; Apoptosis/Autophagy; Cardiovascular Disease; Cellular Stress; Inflammation; Metabolic Disorder; Neurobiology; NfκB Pathway; p38 Pathway; Ser/Thr Kinases

References

1. New, L.; Jiang, Y. et al: PRAK, a novel protein kinase regulated by the p38 MAP kinase. EMBO J. 17: 3372-3384, 1998.
2. Ni, H.; Wang. et al: MAPKAPK5, a novel mitogen-activated protein kinase (MAPK)-activated protein kinase, is a substrate of the extracellular-regulated kinase (ERK) and p38 kinase. Biochem. Biophys. Res. Commun. 243: 492-496, 1998.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_003668](#)

Molecular Weight

~79kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/mapkapk5-recombinant-protein-sf9-wb-western-blot-kinase-assay/73677>