MAPKAPK2 recombinant protein

MAPKAPK2, Active

CATALOG #	HOST	APPLICATIONS
AAA73030	**Sf9 insect cells using baculovirus**	**Western Blot**

PRODUCT SYNONYMS

MAPKAPK2; Active; MAPKAPK2 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Sequence Positions	46-end
Sequence Length	2997
Applicable Applications for MAPKAPK2 recombinant protein	WB (Western Blot), Kinase Assay
Species	Human
Tag	GST tag
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

Application Data

Application Data

ADDITIONAL INFORMATION

Related Product Information for MAPKAPK2 recombinant protein	Description: Recombinant human MAPKAPK2 (46-end) was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag. Scientific Background: MAPKAPK2 (MAPKAP kinase2) is a Ser/Thr protein kinase which is regulated via direct phosphorylation by p38 MAP kinase (1). In conjunction with p38 MAP kinase, MAPKAPK2 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 has been shown to be one of the substrates of MAPKAPK2 in vivo.
Product Categories/Family for MAPKAPK2 recombinant protein	Enzymes; Active Kinases
References	1. Stokoe, D. et al: The substrate specificity and structure of mitogen-activated protein (MAP) kinase-activated protein kinase-2. Biochem. J. 296: 843-849, 1993.

NCBI AND UNIPROT INFORMATION

NCBI GI #	341865588
NCBI GeneID	9261
NCBI Accession #	NM_032960.3
NCBI GenBank Nucleotide #	NM_032960
UniProt Accession #	P49137; Q5SY30; Q5SY41; Q8IYD6
Molecular Weight	~68 kDa
NCBI Official Full Name	Homo sapiens mitogen-activated protein kinase-activated protein kinase 2 (MAPKAPK2), transcript variant 2, mRNA
NCBI Official Synonym Full Names	mitogen-activated protein kinase-activated protein kinase 2
NCBI Official Symbol	MAPKAPK2
NCBI Official Synonym Symbols	MK2; MK-2; MAPKAP-K2
NCBI Protein Information	MAP kinase-activated protein kinase 2
UniProt Protein Name	MAP kinase-activated protein kinase 2
UniProt Gene Name	**MAPKAPK2**
UniProt Synonym Gene Names	MAPK-activated protein kinase 2; MAPKAP kinase 2; MAPKAP-K2; MAPKAPK-2; MK-2; MK2

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://stage.aaabiotech.com/mapkapk2-recombinant-protein-sf9-insect-cells-using-baculovirus-wb-western-blot-kinase-assay/73030