

Bioactive

Full-Length

MAPKAPK2 (Human) Recombinant Protein

Catalog # P6520

Size 5 ug

Applications

Result of activity analysis

Result of activity analysis

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Specification

Product Description	Human MAPKAPK2 (NP_116584.2, 1 a.a. - 400 a.a.) full length recombinant protein with GST-tag at N-terminal using baculovirus expression system.
Host	Viruses
Form	Liquid
Preparation Method	Baculovirus expression system.
Purification	Glutathione sepharose chromatography.
Purity	0.87
Activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescein-labeled substrate and Mg (or Mn)/ATP. Substrate: GS peptide, ATP: 100 uM.
Quality Control Testing	The purity was assessed by SDS-PAGE/CBB staining.
Storage Buffer	50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5
Storage Instruction	Stored at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Result of activity analysis
Result of activity analysis

Applications

- Functional Study

Gene Info — MAPKAPK2

Entrez GeneID [9261](#)

Protein Accession# [NP_116584.2](#)

Gene Name MAPKAPK2

Gene Alias MK2

Gene Description mitogen-activated protein kinase-activated protein kinase 2

Omim ID [602006](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the Ser/Thr protein kinase family. This kinase is regulated through direct phosphorylation by p38 MAP kinase. In conjunction with p38 MAP kinase, this kinase 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 was shown to be one of the substrates of this kinase in vivo. Two transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000034531|OTTHUMP00000034532

Pathway

- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [VEGF signaling pathway](#)