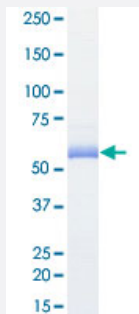


Bioactive

MAP3K2 (Human) Recombinant Protein

Catalog # P5589 Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human MAP3K2 (NP_006600.3, 337 a.a. - 620 a.a.) partial recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	59
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography
Purity	97 % by SDS-PAGE/CBB staining

Activity	The activity was determined by ELISA. The enzyme was incubated with GST-fused substrate protein, and after stopping kinase reaction by EDTA, the reaction solution was transferred into glutathione-coated plate. Phosphorylation was detected by anti-phospho antibody and HRP-labeled anti-rabbit IgG. Substrate: MAP2K7 [inactive mutant]. ATP: 100 uM.
Quality Control Testing	Loading 1 ug protein in SDS-PAGE
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.1% CHAPS, 1 mM DTT, 10% 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 — MAP3K2

Entrez GeneID	10746
Protein Accession#	NP_006600.3
Gene Name	MAP3K2
Gene Alias	MEKK2, MEKK2B
Gene Description	mitogen-activated protein kinase kinase kinase 2
Omim ID	609487
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of serine/threonine protein kinase family. This kinase preferentially activates other kinases involved in the MAP kinase signaling pathway. This kinase has been shown to directly phosphorylate and activate I κ B kinases, and thus plays a role in NF- κ B signaling pathway. This kinase has also been found to bind and activate protein kinase C-related kinase 2, which suggests its involvement in a regulated signaling process. [provided by RefSeq]
Other Designations	MAP/ERK kinase kinase 2 MAPK/ERK kinase kinase 2 MEK kinase 2

Pathway

- [Gap junction](#)
- [GnRH signaling pathway](#)
- [MAPK signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Occupational Diseases](#)