

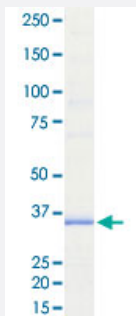
Bioactive

MAP3K11 (Human) Recombinant Protein

Catalog # P5600

Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

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Specification

Product Description	Human MAP3K11 (NP_002410.1, 99 a.a. - 398 a.a.) partial recombinant protein with His tag expressed in baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	37
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Ni-NTA affinity chromatography
Purity	81 % 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 (or HRP-labeled anti-mouse IgG). Substrate: MAP2K7 [inactive mutant]. ATP: 100 μ M.
Quality Control Testing	Loading 1 μ g 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 — MAP3K11

Entrez GeneID	4296
Protein Accession#	NP_002410.1
Gene Name	MAP3K11
Gene Alias	MGC17114, MLK-3, MLK3, PTK1, SPRK
Gene Description	mitogen-activated protein kinase kinase kinase 11
Omim ID	600050
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the serine/threonine kinase family. This kinase contains a SH3 domain and a leucine zipper-basic motif. This kinase preferentially activates MAP K8/JNK kinase, and functions as a positive regulator of JNK signaling pathway. This kinase can directly phosphorylate, and activates I κ B kinase alpha and beta, and is found to be involved in the transcription activity of NF-kappaB mediated by Rho family GTPases and CDC42. [provided by RefSeq]
Other Designations	SH3 domain-containing proline-rich kinase mixed lineage kinase 3 protein-tyrosine kinase PTK1

Pathway

- [MAPK signaling pathway](#)