

Bioactive

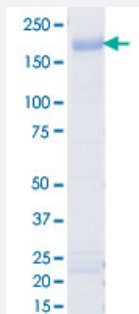
Full-Length

MAP3K13 (Human) Recombinant Protein

Catalog # P5582

Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human MAP3K13 (NP_004712.1, 1 a.a. - 966 a.a.) full-length recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	136
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography
Purity	72 % 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 Ig G. 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 — MAP3K13

Entrez GeneID	9175
Protein Accession#	NP_004712.1
Gene Name	MAP3K13
Gene Alias	LZK, MGC133196
Gene Description	mitogen-activated protein kinase kinase kinase 13
Omim ID	604915
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of serine/threonine protein kinase family. This kinase contains a dual leucine-zipper motif, and has been shown to form dimers/oligomers through its leucine-zipper motif. This kinase can phosphorylate and activate MAPK8/JNK, MAP2K7/MKK7, which suggests a role in the JNK signaling pathway. [provided by RefSeq]
Other Designations	leucine zipper-bearing kinase

Pathway

- [MAPK signaling pathway](#)

Disease

- [Tobacco Use Disorder](#)