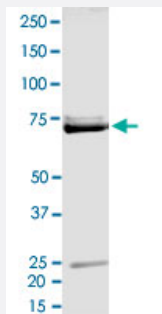


Bioactive

MAP3K8 (Human) Recombinant Protein

Catalog # P4671 Size 100 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human MAP3K8 (NM_005204, 30 a.a. - 397 a.a.) partial recombinant protein with GST-His tag expressed in Sf9 cells.
Host	insect
Theoretical MW (kDa)	71.56100000000001
Form	Liquid
Preparation Method	Insect cell (Sf9) expression system
Purification	GST affinity chromatography
Concentration	0.088 ug/uL

Activity	38 pmol/ug x min
Quality Control Testing	2 ug/lane SDS-PAGE Stained with Coomassie Blue
Storage Buffer	In 50 mM Hepes, 100 mM NaCl, pH 7.5. (5 mM DTT, 4 mM reduced glutathione, 20% 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 — MAP3K8

Entrez GeneID	1326
Protein Accession#	NM_005204
Gene Name	MAP3K8
Gene Alias	COT, EST, ESTF, FLJ10486, TPL2, Tpl-2, c-COT
Gene Description	mitogen-activated protein kinase kinase kinase 8
Omim ID	191195 211980
Gene Ontology	Hyperlink
Gene Summary	<p>This gene was identified by its oncogenic transforming activity in cells. The encoded protein is a member of the serine/threonine protein kinase family. This kinase can activate both the MAP kinase and JNK kinase pathways. This kinase was shown to activate IkkappaB kinases, and thus induce the nuclear production of NF-kappaB. This kinase was also found to promote the production of TNF-alpha and IL-2 during T lymphocyte activation. Studies of a similar gene in rat suggested the direct involvement of this kinase in the proteolysis of NF-kappaB1,p105 (NFKB1). This gene may also utilize a downstream in-frame translation start codon, and thus produce an isoform containing a shorter N-terminus. The shorter isoform has been shown to display weaker transforming activity. [provided by RefSeq]</p>

Other Designations

Cancer Osaka thyroid oncogene|Ewing sarcoma transformant|OTTHUMP00000019392|OTTHUMP00000019393|cot (cancer Osaka thyroid) oncogene|proto-oncogene serine/threonine protein kinase|tumor progression locus-2

Pathway

- [MAPK signaling pathway](#)
- [T cell receptor signaling pathway](#)
- [Toll-like receptor signaling pathway](#)

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)