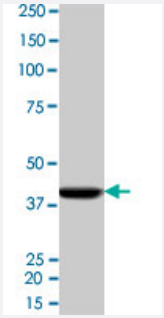
Bioactive Full-Length

MAPK11 (Human) Recombinant Protein

Catalog # P4737 Size 100 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human MAPK11 (NM_002751.5, 1 a.a. - 364 a.a.) full-length recombinant protein expressed in *Escherichia coli*.
Host	Escherichia coli
Theoretical MW (kDa)	41.485
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purification	Immobilized metal affinity chromatography
Concentration	0.810 ug/uL

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Activity	701 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. (3 mM 2-ME, 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 — MAPK11

Entrez GeneID	5600
Protein Accession#	NM_002751.5
Gene Name	MAPK11
Gene Alias	P38B, P38BETA2, PRKM11, SAPK2, SAPK2B, p38-2, p38Beta
Gene Description	mitogen-activated protein kinase 11
Omim ID	602898
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular pro cesses such as proliferation, differentiation, transcription regulation, and development. This kinas e is most closely related to p38 MAP kinase, both of which can be activated by proinflammatory c ytokines and environmental stress. This kinase is activated through its phosphorylation by MAP ki nase kinases (MKKs), preferably by MKK6. Transcription factor ATF2/CREB2 has been shown to be a substrate of this kinase. [provided by RefSeq
Other Designations	OTTHUMP00000196655|mitogen-activated protein kinase p38 beta|mitogen-activated protein ki nase p38-2|stress-activated protein kinase-2|stress-activated protein kinase-2b

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Pathway

- Amyotrophic lateral sclerosis (ALS)
- Epithelial cell signaling in Helicobacter pylori infection
- Fc epsilon RI signaling pathway
- GnRH signaling pathway
- Leukocyte transendothelial migration
- MAPK signaling pathway
- Neurotrophin signaling pathway
- T cell receptor signaling pathway
- Toll-like receptor signaling pathway
- VEGF signaling pathway

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- HIV Infections

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