

Bioactive

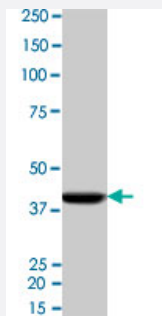
Full-Length

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 <i>Escherichia coli</i> .
Host	Escherichia coli
Theoretical MW (kDa)	41.485
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Immobilized metal affinity chromatography
Concentration	0.810 ug/uL

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 processes such as proliferation, differentiation, transcription regulation, and development. This kinase is most closely related to p38 MAP kinase, both of which can be activated by proinflammatory cytokines and environmental stress. This kinase is activated through its phosphorylation by MAP kinase 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 kinase p38-2 stress-activated protein kinase-2 stress-activated protein kinase-2b

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](#)