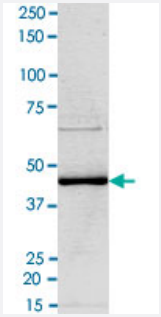
Bioactive Full-Length

MAPK12 (Human) Recombinant Protein

Catalog # P4739 Size 100 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human MAPK12 (NM_002969.3, 1 a.a. - 367 a.a.) full-length recombinant protein expressed in *Escherichia coli*.
Host	Escherichia coli
Theoretical MW (kDa)	42.352
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purification	GST affinity chromatography
Concentration	0.165 ug/uL

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Activity	59 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, 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 — MAPK12

Entrez GeneID	6300
Protein Accession#	NM_002969.3
Gene Name	MAPK12
Gene Alias	ERK3, ERK6, P38GAMMA, PRKM12, SAPK-3, SAPK3
Gene Description	mitogen-activated protein kinase 12
Omim ID	602399
Gene Ontology	Hyperlink
Gene Summary	Activation of members of the mitogen-activated protein kinase family is a major mechanism for tr ansduction of extracellular signals. Stress-activated protein kinases are one subclass of MAP kin ases. The protein encoded by this gene functions as a signal transducer during differentiation of myoblasts to myotubes. [provided by RefSeq
Other Designations	mitogen-activated protein kinase 3|stress-activated protein kinase 3

Pathway

- Amyotrophic lateral sclerosis (ALS)

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- 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

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