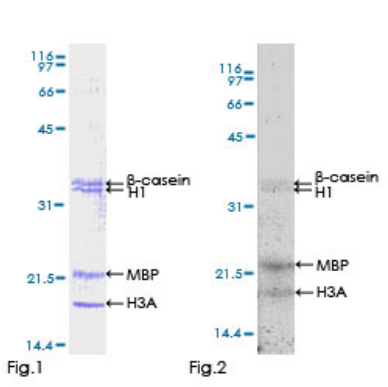
Full-Length

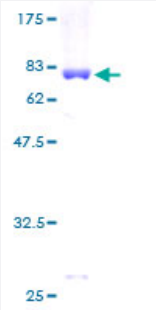
MAPK12 (Human) Recombinant Protein (P01)

Catalog # H00006300-P01 Size 25 ug, 10 ug

Applications



Kinase Assay



Specification

Product Description	Human MAPK12 full-length ORF (AAH15741.1, 1 a.a. - 367 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSSPPPARSGFYRQEVTKTAWEVRAVYRDLQPVGSGAYGAVCSAVDGRTGAKVAIKKLYRPFQ SELFAKRAYRELRLLKHMRHENVIGLLDVFTPDETLDDFTDFYLVMPFMGTDLGKLMKHEKLGED RIQFLVYQMLKGLRYIHAAGIIHRDLKPGNLAVNEDCELKILDFGLARQADSEMTGYVVTRWYRAPE VILNWMRYTQTVDIWSVGCIMAEMITGKTLFKGSDHLDQLKEIMKVTGTPPAEFVQRLQSDEAKNY MKGLPELEKKDFASILTNASPLAVNLLEKMLVLDAEQRVTAGEALAHPYFESLHDTEDEPQVQKY DDSFDDVDRTLDEWKRVTYKEVLSFKPPRQLGARVSKETPL

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Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	66
Interspecies Antigen Sequence	Mouse (93); Rat (94)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Kinase Assay

  Protocol Download

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MAPK12

Entrez GeneID	6300
GeneBank Accession#	BC015741
Protein Accession#	AAH15741.1
Gene Name	MAPK12
Gene Alias	ERK3, ERK6, P38GAMMA, PRKM12, SAPK-3, SAPK3

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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)
- 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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