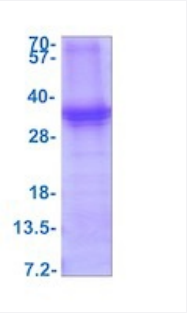
MAP2K6 (Human) Recombinant Protein

Catalog # P7792 Size 100 ug

Applications



SDS-PAGE analysis of MAP2K6 (Human) Recombinant Protein

Specification

Product Description	Human MAP2K6 (NP_002749, 53 a.a. - 314 a.a) partial recombinant protein with His tag expressed in *Escherichia coli*.
Sequence	MGSSHHHHHHSSGLVPRGSHMLEPIMELGRGAYGVVEKMRHVPSGQIMAVKRIRATVNSQEQKR LLMDLDISMRTVDCPFTVTFYGALFREGDVWICMELMDTSLDKFYKQVIDKGQTIPEDILGKIAVSIV KALEHLHSKLSVIHRDVKPSNVLINALGQVKMCDFGISGYLVDEVAKEIDAGCKPYMAPERINPEL NQKGYSVKSDIWSLGITMIELAILRFPYDSWGTPFQQLKQVVEEPSPQLPADKFSAEFVDFTSQCL KKNSKERPTYPELMQHPFF
Host	Escherichia coli
Theoretical MW (kDa)	32
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 85% by SDS-PAGE
Quality Control Testing	3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain. SDS-PAGE analysis of MAP2K6 (Human) Recombinant Protein
Recommend Usage	SDS-PAGE Denatured The optimal working dilution should be determined by the end user.

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Storage Buffer	In 20mM Tris-HCl buffer, pH8.0 (10% glycerol).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — MAP2K6

Entrez GeneID	5608
Protein Accession#	P52564
Gene Name	MAP2K6
Gene Alias	MAPKK6, MEK6, MKK6, PRKMK6, SAPKK3
Gene Description	mitogen-activated protein kinase kinase 6
Omim ID	601254
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the dual specificity protein kinase family, which functions as a mitogen-activated protein (MAP) kinase kinase. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This protein phosphorylates and activates p38 MAP kinase in response to inflammatory cytokines or environmental stress. As an essential component of p38 MAP kinase mediated signal transduction pathway, this gene is involved in many cellular processes such as stress induced cell cycle arrest, transcription activation and apoptosis. [provided by RefSeq
Other Designations	protein kinase, mitogen-activated, kinase 6 (MAP kinase kinase 6)

Pathway

- Amyotrophic lateral sclerosis (ALS)
- Fc epsilon RI signaling pathway
- GnRH signaling pathway
- MAPK signaling pathway

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- Toll-like receptor signaling pathway

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Huntington disease

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