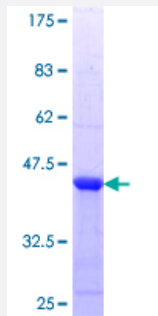


MAP3K7 (Human) Recombinant Protein (Q01)

Catalog # H00006885-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MAP3K7 partial ORF (AAH17715.1, 471 a.a. - 579 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAYLTLDHQLQPLAPCPNSKESMAVFEQHCKMAQEYMKVQTEIALLLQRKQELVAELDQDEKDQ QNTSRLVQEHHKLLDENKSLSTYYQQCKKQLEVIRSQQQKRQGTS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.73
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

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

Gene Info — MAP3K7

Entrez GeneID [6885](#)

GeneBank Accession# [BC017715](#)

Protein Accession# [AAH17715.1](#)

Gene Name MAP3K7

Gene Alias TAK1, TGF1a

Gene Description mitogen-activated protein kinase kinase kinase 7

Omim ID [602614](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a member of the serine/threonine protein kinase family. This kinase mediates the signaling transduction induced by TGF beta and morphogenetic protein (BM P), and controls a variety of cell functions including transcription regulation and apoptosis. In response to IL-1, this protein forms a kinase complex including TRAF6, MAP3K7P1/TAB1 and MAP3K7P2/TAB2; this complex is required for the activation of nuclear factor kappa B. This kinase can also activate MAPK8/JNK, MAP2K4/MKK4, and thus plays a role in the cell response to environmental stresses. Four alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]

Other Designations OTTHUMP00000016870|OTTHUMP00000016871|OTTHUMP00000016872|OTTHUMP00000016873|TGF-beta activated kinase 1|transforming growth factor-beta-activated kinase 1

Pathway

- [Adherens junction](#)
- [MAPK signaling pathway](#)

- [T cell receptor signaling pathway](#)
- [Toll-like receptor signaling pathway](#)
- [Wnt signaling pathway](#)

Disease

- [Arthritis](#)
- [Crohn Disease](#)
- [Genetic Predisposition to Disease](#)
- [Inflammatory Bowel Diseases](#)
- [Narcolepsy](#)
- [Tobacco Use Disorder](#)