

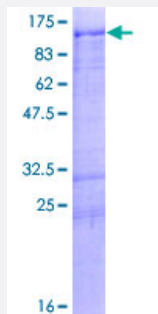
Full-Length

MARK2 (Human) Recombinant Protein (P01)

Catalog # H00002011-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MARK2 full-length ORF (NP_001034558.1, 1 a.a. - 755 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MIRGRNSATSADEQPHIGNYRLKTIGKGNFAKVKLARHILTGKEVAVKIIDKTQLNSSSLQKLFREV
RIMKVLNHPNIVKLFEVIETKTLVMEYASGGEVFDYLVAHGRMKEKEARAKFRQVSAVQYCH
QKFIVHRDLKAENLLLDADMNIKIDFGFSNEFTFGNKLDTF CGSPPYAAPELFQGKKYDGPEVDV
WSLGVILYTLVSGSLPFDGQNLKELRERVLRGKYRIPFYMSTDCENLLKKFLILNPSKRGTLQIMK
DRWMNVGHEDDELKPYVEPLPDYKDPRTLMVSMGYTREEIQDSL VGQRYNEVMATYLLGYK
SSELEGDTITLKPRPSADLTNSSAPSPSHKVQRSVSANPKQRRFSDQAAGPAIPTSNSYSKKTQS
NNAENKRPEEDRESGRKASSTAKVPASPLPGLERKKTTPSTNSVLSTSTNRSRNSPLLERASL
GQASIQNGKDSLTPGSRASASASAASVAAARPRQHQSMSASVHPNKASGLPPTESNCEVPR
PSTAPQRPVVASPSAHNISSSGGAPDRTNFPGRGVSSRSTFHAGQLRQVRDQQNLPGVTPASPS
GHSQGRRGASGSIFSFTSKFVRRNLSFRFARRNLNEPESKDRVETLRPHVVGSGGNDKEKEEF
REAKPRSLRFTWSMKTTSMEPNEMMREIRKVL DANSCQSELHEKYMLLCMHGTPGHEDFVQW
EMEVCKLPRLSLNGVRFKRISGTSMFAFKNIASKIANELKL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

110.7

Interspecies Antigen Sequence

Mouse (97); Rat (89)

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 — MARK2

Entrez GeneID	2011
GeneBank Accession#	NM_001039469.1
Protein Accession#	NP_001034558.1
Gene Name	MARK2
Gene Alias	EMK1, MGC99619, PAR-1, Par1b
Gene Description	MAP/microtubule affinity-regulating kinase 2
Omim ID	600526
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the Par-1 family of serine/threonine protein kinases. The protein is an important regulator of cell polarity in epithelial and neuronal cells, and also controls the stability of microtubules through phosphorylation and inactivation of several microtubule-associating proteins. The protein localizes to cell membranes. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

ELKL motif kinase 1|Ser/Thr protein kinase PAR-1B|protein-serine/threonine kinase|serine/threonine kinase

Disease

- [Coronary Artery Disease](#)