

Datasheet for ABIN7317055  
**MARK3 Protein (GST tag,His tag)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	50 µg
Target:	MARK3
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This MARK3 protein is labelled with GST tag,His tag.

## Product Details

Purpose:	Recombinant Human MARK3/CTAK1/EMK-2 Protein (His & GST Tag)(Active)
Sequence:	Met 1-Leu 729
Characteristics:	A DNA sequence encoding full length of human MARK3 (AAH24773.1) (Met 1-Leu 729) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 88 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	The specific activity was determined to be 7 nmol/min/mg using synthetic CHKtide peptide (KKKVSRSGLYRSPSPENLNRPR) as substrate.

## Target Details

Target:	MARK3
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## Target Details

Alternative Name: MARK3/CTAK1/EMK-2 ([MARK3 Products](#))

Background: MAP / microtubule affinity-regulating kinase 3, also known as C-TAK1, cTAK1, Cdc25C-associated protein kinase 1, ELKL motif kinase 2, Protein kinase STK10, Ser/Thr protein kinase PAR-1, Serine/threonine-protein kinase p78, MARK3, CTAK1 and EMK2, is a ubiquitous expressed protein which belongs to the protein kinase superfamily, CAMK Ser / Thr protein kinase family and MARK subfamily. MARK3 contains one KA1 (kinase-associated) domain, one protein kinase domain and one UBA domain. The Par-1 / MARK protein kinases play a pivotal role in establishing cellular polarity. This family of kinases contains a unique domain architecture, in which a ubiquitin-associated (UBA) domain is located C-terminal to the kinase domain. MARKs / PAR-1 are common regulators of cell polarity that are conserved from nematode to human. All of these kinases have a highly conserved C-terminal domain, which is termed the kinase-associated domain 1 (KA1).

Synonym: CTAK1;KP78;Par-1a;PAR1A

Molecular Weight: 109.3 kDa

Pathways: [SARS-CoV-2 Protein Interactome](#)

## Application Details

Restrictions: For Research Use only

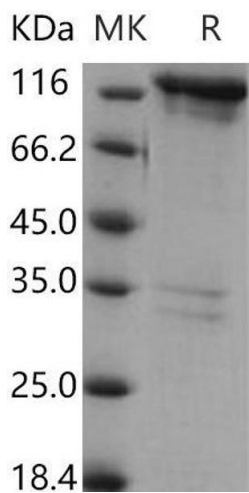
## Handling

Format: Frozen, Liquid

Buffer: Supplied as sterile 20 mM Tris, 500 mM NaCl, 0.25 mM DTT, 0.1 mM PMSF, 0.1 mM EDTA, pH 7.4, 10 % gly

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.



**Western Blotting**

**Image 1.**