Recombinant Human MARK3 / CTAK1 / EMK-2 Protein (His & GST tag)

Cat.NO.: TP08362

3th Edition

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

Description: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).

Form:PBS

Molecular Weight:109.3 kDa

Sequences: Met 1-Leu 729

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.