

32-8421: Recombinant Human CaM Kinase/CASK (C-6His)(Discontinued)

Gene : CASK
Gene ID : 8573
Uniprot ID : O14936

Description

Source: Human Cells.
MW :103.2kD.

Recombinant Human CASK is produced by our Mammalian expression system and the target gene encoding Met1-Tyr898 is expressed with a 6His tag at the C-terminus. Peripheral plasma membrane protein CASK is a protein that in humans is encoded by the CASK gene. It belongs to the MAGUK family. CASK / LIN2 contains one guanylate kinase-like domain, two L27 domains, one PDZ (DHR) domain, one protein kinase domain and one SH3 domain. This protein is a multidomain scaffolding protein with a role in synaptic transmembrane protein anchoring and ion channel trafficking. It interacts with the transcription factor TBR1 and binds to several cell-surface proteins including amyloid precursor protein, neurexins and syndecans. Unlike many protein kinases, it does not require a divalent cation such as magnesium for catalytic activity.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.4.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MADDDVLFEDVYELCEVIGKGPFSVVRRCINRETGQQFAVKIVDAKFTSSPGLSTEDLKREASICHMLKHPHIV
ELLETSYSSDGMLYMVFEFMDGADLCEIVKRADAGFVYSEAVASHYMRQILEALRYCHDNNIIHRDVKPHCVLL
ASKENSAPVKLGGFGVAIQLGESGLVAGGRVGTPHFMAPEVVKREPYGKPVVDVWCGVILFILLSGCLPFYGTK
ERLFEGIIKGGYKMNPRQWSHISESAKDLVRRMLMLDPAERITVYEALNHPWLKERDRYAYKIHLPETVEQLRKF
NARRKLGAVLAAVSSHKFNFSFYGDPEELPDFSEDPTSSGLLAAERAVSQVLDLSLEEIHALTDCEKDLDFLHS
VFQDQHLHTLLDLYDKINTKSSPQIRNPPSDAVQRAKEVLEEISCYPENNDAKELKRILTQPHFMALLQTHDVVA
HEVYSDEALRVTPPPTSPYLNQD SPESANGDMDMENVTRVRLVQFQKNTDEPMGITLKMNELNHCIVARIMHG
GMIHRQGT LHV GDEIREINGISVANQTVLQKMLREMRGSITFKIVPSYRTQSSCEDLPSTTQPKGRQIYVRA
QFEYDPAKDDLIPCKEAGIRFRVGDIIQIISKDDHNWWQKLENSKNGTAGLIPSELPQEWVACIAMEKTKQE
QQASCTWFGKKKKQYKDKYLAKHNADLVTYEEVVKLPAFKRRTLVLGAGVGRRHKNTLITKHPDRFAYPIP
HTTRPPKKDEENGKNYFVSHDQMMQDISNNEYLEYGSHEDAMYGTKLETIRKIHEQGLIAILDVEPQALKVLR
AEFAPFVVFIAAPTITPGLNEDESLQRLQKESDILQRTYAHYFDLTIINNEIDETIRHLEEAVELVCTAPQWVPVSW
VYVDHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.