

## 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  
QFEYDPAKDDLIPCKEAGIRFRVGDIIQIISKDDHNWWQKLENSKNGTAGLIPSELQEW RVACIAMEKTKQE  
QQASCTWFGKKKKQYKDKYLAKHNADLVTYEEVVKLPAFKRRTLVLGAGVGRRHKNTLITKHPDRFAYPIP  
HTTRPPKKDEENGKNYFVSHDQMMQDISNNEYLEYGSHEDAMYGTKLETIRKIHEQGLIAILDVEPQALKVLR  
AEFAPFVVFIAAPTITPGLNEDESLQRLQKESDILQRTYAHYFDLTIINNEIDETIRHLEEAVELVCTAPQWVPVSW  
VYVDHHHHHH

### Application Note

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