

32-2950: CAMK4 Recombinant Protein

Alternative Name : Calcium/calmodulin-dependent protein kinase type IV catalytic chain, CaMK-GR, CaM kinase-GR, CaMK IV, IV, brain Ca(2+)-calmodulin-dependent protein kinase type IV, caMK, CAM kinase IV, EC 2.7.11.17.

Description

Source : E.coli. CAMK4 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 497 amino acids (1-473) and having a molecular mass of 54.5kDa. CAMK4 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. CAMK4 is a member of the serine/threonine protein kinase family, and of the Ca(2+)/calmodulin-dependent protein kinase subfamily. CAMK4 is a multifunctional serine/threonine protein kinase with restricted tissue distribution which is associated to transcriptional regulation in lymphocytes, neurons and male germ cells.

Product Info

Amount : 10 µg
Purification : Greater than 85% as determined by SDS-PAGE.
Content : The CAMK4 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl and 10% glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSHTMLKVTV PSCSASSCSS VTASAAPGTA SLVPDYWIDG
SNRDALSDFE EVESELGRGA TSIVYRCKQK GTQKPYALKV LKKTVDKKIV RTEIGVLLRL SHPNIKLKE
IFETPTEISL VLELVTGGEL FDRIVEKGYG SERDAADAVK QILEAVAYLH ENGIVHRDLK PENLLYATPA
PDAPLKIADF GLSKIVEHQV LMKTVCCTPG YCAPEILRGC AYGPEVDMWS VGIITYILLC GFEPFYDERG
DQFMFRILN CEYFISPWW DEVSLNAKDL VRKLIVLDPK KRLTTFQALQ HPWVTGKAAN FVHMDTAQQK
LQEFNARRKL KAAVKAVVAS SRLGSASSSH GSIQESHKAS RDPSPIQDGN EDMKAIPEGE KIQGDGAQAA
VKGAQAELMK VQALEKVKGA DINAAEAPKM VPKAVEDGIK VADLELEEGE AEEKLKTVEE AAAPREGQGS
SAVGFEVPQQ DVILPEY.

