

CAMK4 Human

Description: 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.

Catalog #: PKPS-028

For research use only.

Synonyms: 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.

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSMLKVTVPSCSASSCSS
VTASAAPGTA SLVPDYWIDG SNRDALSDFEVESELGRGA TSIVYRCKQK GTQKPYALKV
LKKTVDKKIV RTEIGVLLRL SHPNIIKLKE IFETPTEISL VLELVGTGGEL FDRIVEKGY
SERDAADAVK QILEAVAYLH ENGIVHRDLK PENLLYATPA PDAPLKIADF GLSKIVEHQV
LMKTVCGTPG YC

Purity: Greater than 85% as determined by SDS-PAGE.

Formulation:

The CAMK4 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl and 10% glycerol.

Stability:

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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.

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