



Recombinant Rat CAMK4 Protein Product Manual

1. Product Basic Information

Product No.: REP06321

Protein Name: Camk Iv (CAMK4)

Aliases: caMK; CaMKIV; CaMK IV; CaMK-GR; CAM kinase IV; CAM kinase- GR; calcium/calmodulin dependent protein kinase IV

UniProt ID: Q16566

UniProt Link: <https://www.uniprot.org/uniprotkb/Q16566/entry>

Species Source: Rattus norvegicus (Rat)

Expression System: E.coli

Protein Length: Full Length (1-474aa)

Molecular Weight: 57.2kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-474aa)

MLKVTVPSCPSSPCSSVTSSSTENLVPDYWIDGSKRDPLSDFFEVESELGRGATSIVY
RCKQKGTQKPYALKVLKKTVDKKIVRTEIGVLLRLSHPNIIKLKEIFETPTEISLVLELV
TGGE LFDRIVEKGYYSERDAADAVKQILEAVAYLHENGIVHRDLKPENLLYATPAPD
APLKIADFGLSKIVEHQVLMKTVCGTPGYCAPEILRG CAYGPEVDMW SVGIITYILLC
GFEPFYDERGDQFMFRRILNCEYYFIS PWWDEVSLNAKDLVKKLIVLDPKKRLTTFQ
ALQHPWVTGKAANFVHMDTAQKKLQEFNARRKLKAAVKAVVASSRLGSASSSHTN
IQESNKASSEAQPAQDGKDKTDPLENKMQA GDHEAAKAAADETMKLQSEEEEEEE
GVKEEEEEEEEEETSRMVPQEPEDRLETDDQEMKRNSEETLKSV EEEEMDPK AEE
EAAAVGLGVPPQQDAILPEY

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Rat CAMK4 full length protein (1-474aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. CAMK4, also known as caMK or CaMKIV or CaMK IV, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.