



Recombinant Human EEF2K

Protein Product Manual

1. Product Basic Information

Product No.: REP06749

Protein Name: Eef-2 Kinase (EEF2K)

Aliases: eEF-2K; CaMKIII; HSU93850; eEF-2 kinase; alternative protein EEF2K; elongation factor-2 kinase; eukaryotic elongation factor 2 kinase; eukaryotic elongation factor 2 kinase; calmodulin-dependent prote...

UniProt ID: O00418

UniProt Link: <https://www.uniprot.org/uniprotkb/O00418/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (2-725aa)

Molecular Weight: 88.9 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (2-725aa)

ADEDLIFRLEGVDGGQSPRAGHDGDSGDSDDEEGYFICPITDDPSSNQNVNSKV
NKYYSNLTKSERYSSSGSPANSFHFKEAWKHAIQKAKHMPDPWAEFHLEDIATERA
TRHRYNAVTEWLDDEVLIKMASQPFGRGAMRECFRTKKLSNFLHAQQWKGASN
YVAKRYIEPVDRDVYFEDVRLQMEAKLWGEEYNRHKPPKQVDIMQMCIIELKDRPG
KPLFHLEHYIEGKYIKYNSNSGPFVRRDDNIRLTPQAFSHFTFERSGHLIVVDIQGVGD
LYTDPQIHTETGTDFGDGNLGVGMALFFYSHACNRICESMGLAPFDLSPRERDAV
NQNTKLLQSAKTILRGTEEKCGSPQVRTLSGSRPPLLRPLSENSGDENMSDVTFDS
LPSSPSSATPHSQKLDHLHWPVFSDLDNMA SRDHDHLDNHRESENSGDSGYPSE
KRGELDDPEPREHGHSYSNRKYESDEDSLGS SGRVCVEKWNLLNSSRLHLPRASA
VALEVQRLNALDLEKKIGKSILGKVHLAMVRYHEGGRFCEKGEEWDQESAVFHLEH
AANLGELEAIVGLGLMYSQ LPHILADVSLKETEENKTGFDYLLKAAEAGDRQSMI
LVARAFDSGQNLSPDRCQDWLEALHWYNTALEMTDCDEGGEYDGMQDEPRYMM
LAREAEMLFTGGYGLEKDPQRSGLYTQAAEAAMEAMKGRLANQYYQKAEAWA
QMEE



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 Human EEF2K full length of mature protein protein (2-725aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. EEF2K, also known as eEF-2K or CaMKIII or HSU93850, 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.