9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

## 32-3000: EEF2K Recombinant Protein

| | |
|---|---|
| **Alternative Name :** | Eukaryotic Elongation Factor 2 Kinase,Calcium/Calmodulin-Dependent Eukaryotic Elongation Factor 2 Kinase,EEF-2 Kinase,EC 2.7.11.20,EEF-2K,Calcium/Calmodulin-Dependent Eukaryotic Elongation Factor-2 Kinase,Calmodulin-Dependent Protein Kinase III |

## Description

Source : Escherichia Coli. EEF2K Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 748 amino acids (1-725 a.a) and having a molecular mass of 84.6kDa. EEF2K is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Eukaryotic elongation factor-2 kinase (EEF2K) is threonine kinase which regulates protein synthesis by means of controlling the rate of peptide chain elongation. Upon activation through a diversity of upstream kinases including AMPK or TRPM7, EEF2K phosphorylates the elongation factor EEF2 at a sole site, renders it unable to bind ribosomes and therefore inactive. In turn, the rate of protein synthesis is being reduced.

## Product Info

| | |
|---|---|
| **Amount :** | 10 µg |
| **Purification :** | Greater than 85.0% as determined by SDS-PAGE. |
| **Content :** | EEF2K protein solution (0.25 mg/ml) containing Phosphate buffered saline (pH7.4) 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 MGSMADEDLI FRLEGVDGGQ SPRAGHDGDS DGDSDDEEGY FICPITDDPSSNQNVNSKVN KYYSNLTKSE RYSSSGSPAN SFHFKEAWKH AIQKAKHMPD PWAEFHLEDI ATERATRHRYNAVTGEWLDD EVLIKMASQP FGRGAMRECF RTKKLSNFLHAQQWKGASNY VAKRYIEPVD RDVYFEDVRL QMEAKLWGEE YNRHKPPKQVDIMQMCIIEL KDRPGKPLFH LEHYIEGKYI KYNSNSGFVR DDNIRLTPQA FSHFTFERSG HQLIVVDIQGVGDLYTDPQI HTETGTDFGD GNLGVRGMAL FFYSHACNRI CESMGLAPFD LSPRERDAVNQNTKLLQSAK TILRGTEEKC GSPRVRTLSG SRPPLLRPLS ENSGDENMSDVTFDSLPSSP SSATPHSQKL DHLHWPVFSD LDNMASRDHD HLDNHRESEN SGDSGYPSEK RGELDDPEPREHGHSYSNRK YESDEDSLGS SGRVCVEKWN LLNSSRLHLP RASAVALEVQ RLNALDLEKKIGKSILGKVH LAMVRYHEGG RFCEKGEEWD QESAVFHLEH AANLGELEAIVGLGLMYSQL PHHILADVSL KETEENKTKG FDYLLKAAEA GDRQSMILVA RAFDSGQNLS PDRCQDWLEALHWYNTALEM TDCDEGGEYD GMQDEPRYMM LAREAEMLFT GGYGLEKDPQ RSGDLYTQAAEAAMEAMKGR LANQYYQKAE EAWAQMEE. |