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EEF2K, 1-725aa, Human, His tag, E.coli

产品货号: TP01975

第三版

别名:Eukaryotic elongation factor-2 kinase, eEF-2K, HSU93850, eEF2K

描述:Eukaryotic elongation factor-2 kinase, also known as EEF2K, is threonine kinase that regulates protein synthesis by controlling the rate of peptide chain elongation. Upon activation by a variety of upstream kinases including AMPK or TRPM7, phosphorylates the elongation factor EEF2 at a single site, renders it unable to bind ribosomes and thus inactive. Recombinant human EEF2K protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid. In Phosphate buffered saline (pH7.4), 10% glycerol

分子量:84.6 kDa (748aa)

序列:

MGSSHHHHHHSSGLVPRGSHMGSMADLIFRLEGVDGGQSPRAGHDGSDGSDDEEGYFICPITDDPSSNQNVNSK
VNKYYSNLTKSERYSSTGSPANSFHFKEAWKHAIQKAKHMPDPWAEFHLEDIATERATRHRYNVAVTGEWLDDEVLIKMA
SQPFGRGAMRECFRTKKLSNFLHAQQWKGASNYVAKRYIEPVDKRVYFEDVRLQMEAKLWGEEYNRHKPPKQVDIMQ
MCIIEKDRPGKPLFHLEHYIEGKYIKYNSNSGFVRDDNIRLTPQAFSHFTFERSGHQLIVVDIQGVGDLYTDPQIHTETGT
DFGDGNLGVGMALFFYSHACNRICESMGLAPFDLSPRERDAVNQNTKLLQSAKTILRGTEEKCGSPRVRTLSGSRPPLLRP
LSENSGDENMSDVTFDLSPSSPSSATPHSQKLDHLHWPVFSDLNMA SRDHDHLDNHRESENSGDSGYPSEKRGELDDPE
PREHGHSYSNRKYESDEDSLSSGRVCVEKWNLLNSSRLHLPRASAVALEVQRLNALDLEKKIGKSILGKVLAMVRYHEG
GRFCEKGEEWDQESAVFHLEHAANLGELEAIVGLGLMYSQPHILADVSLKETEEKTKGFDYLLKAAEAGDRQSMILV
ARAFDSGQNLSPDRCQDWLEALHWYNTALEMTDCDEGGEYDGMQDEPRYMMLAREAEMLFTGGYGLEKDPQRSGDL
YTQAAEAAMEAMKGRLANQYYQKAEAWAQMEE

纯度:> 95% by HPLC

浓度:0.25 mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储:+4 ° C 保存 (1-2 周). 长期保存在-20 ° C 或者-70 ° C. 避免反复冻融.