

## Product datasheet for **TP307496M**

### EEF2K (NM\_013302) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human eukaryotic elongation factor-2 kinase (EEF2K), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA** >RC207496 protein sequence

**Clone or AA** **Red**=Cloning site **Green**=Tags(s)

**Sequence:**

MADEDLIFRLEGVDGGQSPRAGRDRGSDGSDSDEEGYFICPITDDPSSNQNVNSKVNKYYSNLTKSERYS  
SSGSPANSFHFKEAWKHAIQKAKHMPDPWAEFHLEDIATERATRHRYNVAVTGEWLDDEVLIKMASQPFGR  
GAMRECFRTKKLSNFLHAQQWKGASNYVAKRYIEPVD RDVYFEDVRLQMEAKLWGEEYNRHKPPKQVDIM  
QMCIIELKDRPGKPLFHLEHYIEGKYIKYNSNSGFVRDDNIRLTPQAFSHFTFERSGHQLIVVDIQGVGD  
LYTDPQIHTETGTDFGDGNLGVGMALFFYSHACNRICESMGLAPFDLSPRERDAVNQNTKLLQSAKTIL  
RGTEEKCGSPRVRTLSGSRPPLLRPLSENSGDENMSDVTFDLSPSSPSATPHSQKLDHLHWPVFSDLDN  
MASRDHDHLDNHRESENSGDSGYPSEKRGELDDPEPREHGHYSNRKYESDEDSLGSSEGRVCVEKWNLLN  
SSRLHLPRASAVALEVQRLNALDLEKKIGKSILGKVHLAMVRYHEGGRFCEKGEEDQESAVFHLEHAAN  
LGELEAIVGLGLMYSQLPHHILADVSLKETEENKTKGFDYLLKAAEAGDRQSMILVARAFDSGQNLSPDR  
CQDWLEALHWYNTALEMTDCDEGGEYDGMQDEPRYMLLAREAEMLFTGGYGLEKDPQRSGLDYTAEEAA  
MEAMKGRLANQYYQKAEAWAQMEE

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 82 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

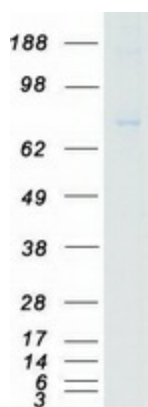
**Storage:** Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_037434</a>
<b>Locus ID:</b>	29904
<b>UniProt ID:</b>	<a href="#">O00418</a>
<b>RefSeq Size:</b>	7412
<b>Cytogenetics:</b>	16p12.2
<b>RefSeq ORF:</b>	2175
<b>Synonyms:</b>	CaMKIII; eEF-2K; HSU93850
<b>Summary:</b>	This gene encodes a highly conserved protein kinase in the calmodulin-mediated signaling pathway that links activation of cell surface receptors to cell division. This kinase is involved in the regulation of protein synthesis. It phosphorylates eukaryotic elongation factor 2 (EEF2) and thus inhibits the EEF2 function. The activity of this kinase is increased in many cancers and may be a valid target for anti-cancer treatment. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Druggable Genome, Protein Kinase

### Product images:



Coomassie blue staining of purified EEF2K protein (Cat# [TP307496]). The protein was produced from HEK293T cells transfected with EEF2K cDNA clone (Cat# [RC207496]) using MegaTran 2.0 (Cat# [TT210002]).