

Product datasheet for PH307496

EEF2K (NM_013302) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	EEF2K MS Standard C13 and N15-labeled recombinant protein (NP_037434)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207496
Predicted MW:	82.2 kDa
Protein Sequence:	>RC207496 protein sequence Red=Cloning site Green=Tags(s)

MADEDLIFRLEGVDGGQSPRAGRDGSDGSDDEEGYFICPITDDPSSNQNVNSKVNKYYSNLTKSERYS
SSGSPANSFHFKEAWKHAIQKAKHMPDPAEFHLEDIATERATRHRNAVVTGEWLDDEVLIKMASQPFGR
GAMRECFRTKKLSNFLHAQQWKASNYVAKRYIEPVDRDVFEDVRLQMEAKLWGEEYNRHKPPKQVDIM
QMCIIELKDRPGKPLFHLEHYIEGKYIKYNSNSGFVRDDNIRLTPQAFSHFTFERSGHQLIVVDIQGVGD
LYTDPQIHTETGTDFGDGNGVVRGMALFFYSHACNRICESMGLAPFDLSPRERDAVNQNTKLLQSAKTIL
RGTEEKCGSPRVRTLSGSRPPLLRPLSENSGDENMSDVTFDLSPSSSATPHSQKLDHLHWPVFSLDLN
MASRDHDHLDNHRESENSGDSGYPSEKRGELDDPEPREHGHYSYNRKYESDEDSLGSGRVCVEKWNLLN
SSRLHLPRASAVALEVQRLNALDLEKKIGKSILGKVHLAMVRYHEGGRFCEKGEEDQESAVFHLEHAAN
LGELEAIVGLGLMYSQPHHILADVSLKETEENKTKGFDYLLKAAEAGDRQSMILVARAFDSGQNLSPDR
CQDWLEALHWYNTALEMTDCDEGGEYDGMQDEPRYMMLAREAEMLFTGGYGLEKDPQRSGLYTAQAEAA
MEAMKGRLANQYYQKAAEAWAQMEE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_037434



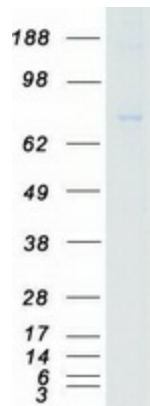
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RefSeq Size:	7412
RefSeq ORF:	2175
Synonyms:	CaMKIII; eEF-2K; HSU93850
Locus ID:	29904
UniProt ID:	O00418
Cytogenetics:	16p12.2

Summary: 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]

Protein Families: 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]).