

## Product datasheet for TP510301

### Eef2k (NM\_007908) Mouse Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse eukaryotic elongation factor-2 kinase (Eef2k), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
<b>Species:</b>	Mouse
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>MR210301 representing NM_007908 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MADEDLIFCLEGVDGGRCRAGHNADSDTDSDDDEGYFICPITDDHMSNQNVSSKVQSYSNLTKTECGS  TGSPASSFHKEAWKHAIEKAKHMPDPWAEFHLEDIATEHATRHRYNVAVTGEWLKDEVLIKMASQPFGRG  AMRECFRTKKLSNFLHAQQWKGASNYVAKRYIEPVDRSVYFEDVQLQMEAKLWGEDYNRHKPPKQVDIMQ  MCIIELKDRPGQPLFHLHYIEGKIYKNSNSGFVRDDNIRLTPQAFSHFTFERSGHQLIVVDIQGVGDL  YTD PQIHTEKGTDFGDGNLGVRGMALFFYSHACNRICQSMGLTPFDLSPREQDAVNQSTRLLQSAKTILR  GTEEKCGSPRIRTLSSSRPPLLLRLSENSGDENMSDVTFDLSPSSPSSATPHSQKLDHLHWPVFGDLDNM  GPRDHRMDNHRDSENSGDSGYPSEKRSDDLDDPEPREHGHSNGNRRHESDEDSLSSGRVCVETWLLNP  SRLHLPRPSAVALLEVQRLNALDLGRKIGKSVLGVKHLAMVRYHEGGRFCEKDEEWDRESAIFHLEHAADL  GELEAIVGLGLMYSQLPHHILADVSLKETEENKTKGFDYLLKAAEAGDRHSMILVARAFDTGLNLSPDRC  QDWSEALHWYNTALETDCDEGGEYDGIQDEPQYALLAREAEMLLTGGFGLDKNPQRSGDLYTQAAEAAM  EAMKGRLANQYYEKAEEAWAQMEE</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	82.2 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.



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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_031934</a>
<b>Locus ID:</b>	13631
<b>UniProt ID:</b>	<a href="#">O08796</a> , <a href="#">Q8CEC8</a>
<b>RefSeq Size:</b>	3079
<b>Cytogenetics:</b>	7 F2
<b>RefSeq ORF:</b>	2172
<b>Synonyms:</b>	C86191; eEF-2K
<b>Summary:</b>	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. In turn, the rate of protein synthesis is reduced.[UniProtKB/Swiss-Prot Function]