Recombinant Mouse Eef2k Protein, Myc/DDK-tagged

Cat. No. Eef2k-2739M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length eukaryotic elongation factor-2 kinase (Eef2k), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	82.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Eef2k eukaryotic elongation factor-2 kinase [Mus musculus (house mouse)]
Official Symbol	Eef2k
Synonyms	EEF2K; eukaryotic elongation factor-2 kinase; eukaryotic elongation factor 2 kinase; eEF-2 kinase; eukaroytic elongation factor 2 kinase; calcium/calmodulin-dependent eukaryotic elongation factor 2 kinase; C86191; eEF-2K
Gene ID	13631
mRNA Refseq	NM_007908
Protein Refseq	NP_031934
UniProt ID	O08796

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