

Recombinant Human EEF2K Protein (A2-E725), Tag Free

Cat. No. EEF2K-1270H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human EEF2K(2-725) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	A2-E725
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.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
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Shipping	It is shipped out with blue ice.
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GENE INFORMATION

Gene Name	EEF2K eukaryotic elongation factor-2 kinase [Homo sapiens (human)]
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Official Symbol	EEF2K
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Synonyms	EEF2K; eukaryotic elongation factor-2 kinase; eukaryotic elongation factor 2 kinase; eEF 2K; eEF-2 kinase; elongation factor-2 kinase; eukaryotic elongation factor 2 kinase; calmodulin-dependent protein kinase III; calcium/calmodulin-dependent eukaryotic elongation factor 2 kinase; calcium/calmodulin-dependent eukaryotic elongation factor-2 kinase; eEF-2K; HSU93850; MGC45041;
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Gene ID	29904
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mRNA Refseq	NM_013302
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Protein Refseq	NP_037434
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MIM	606968
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UniProt ID	O00418
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