

Recombinant Mouse Eif4e2 Protein, Myc/DDK-tagged

Cat. No. Eif4e2-2787M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length eukaryotic translation initiation factor 4E member 2 (cDNA clone MGC:61339 IMAGE:5708556), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Recognizes and binds the 7-methylguanosine-containing mRNA cap during an early step in the initiation. Acts as a repressor of translation initiation. In contrast to EIF4E, it is unable to bind eIF4G (EIF4G1, EIF4G2 or EIF4G3), suggesting that it acts by competing with EIF4E and block assembly of eIF4F at the cap. In P-bodies, component of a complex that promotes miRNA-mediated translational repression.
Molecular Mass	29.3 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

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Eif4e2 eukaryotic translation initiation factor 4E member 2 [Mus musculus (house mouse)]

Official Symbol Eif4e2

Synonyms Eif4e2; eukaryotic translation initiation factor 4E member 2; Eif4e; Eif4el3; AI036339; AV129531; D0H0S6743; D0H0S6743E; 2700069E09Rik; eukaryotic translation initiation factor 4E type 2; eIF-4E type 2; eIF4E type 2; eIF4E-2; eIF4E-like protein 4E-LP; eukaryotic translation initiation factor 4E like 3; mRNA cap-binding protein type 2

Gene ID 26987

mRNA Refseq NM_023314

Protein Refseq NP_075803

UniProt ID Q8BMB3

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