

Product datasheet for **TP503331**

Eif4e2 (BC049077) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse 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, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR203331 protein sequence Red =Cloning site Green =Tags(s)
	MNNKFDALKDDDDSGDHDQNEENSTQKDGEKEKTRDKSQSSGKRKAVVPGPAEHPLQYNYTFWYSRRTPG RPTSSQSYEQNIKQIGTFASVEQFWKFYSHMVRPGDLTGHSDFHLFKGKPMWEDDANKNGGKWIIRLR KGLASRCWENLILAMLGEQFMVGGEEICGAVVSVRFQEDIISIWNKTASDQATTARIRDTLRRVLNLPNT IMEYKTHTDISIAPQGTMSKLCMLMVNPLKVTRPHASTFPLGSAHQQI
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	29.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	26987
UniProt ID:	Q8BMB3
RefSeq Size:	2855



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Cytogenetics:	1 C5
RefSeq ORF:	771
Synonyms:	2700069E09Rik; AI036339; AV129531; D0H0S6743E; Eif4eI3
Summary:	Recognizes and binds the 7-methylguanosine-containing mRNA cap during an early step in the initiation (PubMed:15153109). Acts as a repressor of translation initiation (By similarity). 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 (PubMed:15153109). [UniProtKB/Swiss-Prot Function]