

Recombinant Mouse Eif4a1 Protein, Myc/DDK-tagged

Cat. No. Eif4a1-2784M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length eukaryotic translation initiation factor 4A1 (Eif4a1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	ATP-dependent RNA helicase which is a subunit of the eIF4F complex involved in cap recognition and is required for mRNA binding to ribosome. In the current model of translation initiation, eIF4A unwinds RNA secondary structures in the 5'-UTR of mRNAs which is necessary to allow efficient binding of the small ribosomal subunit, and subsequent scanning for the initiator codon.
Molecular Mass	46.2 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	Eif4a1 eukaryotic translation initiation factor 4A1 [Mus musculus (house mouse)]
Official Symbol	Eif4a1
Synonyms	EIF4A1; eukaryotic translation initiation factor 4A1; eukaryotic initiation factor 4A-I; eIF4A-I; eIF-4A-I; ATP-dependent RNA helicase eIF4A-1; initiation factor eIF-4A long form; Eif4; Ddx2a; BM-010
Gene ID	13681
mRNA Refseq	NM_144958
Protein Refseq	NP_659207
UniProt ID	P60843

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