Recombinant Mouse Eif2a Protein, Myc/DDK-tagged

Cat. No. Eif2a-2770M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length eukaryotic translation initiation factor 2A (Eif2a), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Functions in the early steps of protein synthesis of a small number of specific mRNAs. Acts by directing the binding of methionyl-tRNAi to 40S ribosomal subunits. In contrast to the eIF-2 complex, it binds methionyl-tRNAi to 40S subunits in a codon-dependent manner, whereas the eIF-2 complex binds methionyl-tRNAi to 40S subunits in a GTP-dependent manner.
Molecular Mass	64.4 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	Eif2a eukaryotic translation initiation factor 2A [Mus musculus (house mouse)]
Official Symbol	Eif2a
Synonyms	EIF2A; eukaryotic translation initiation factor 2A; eIF-2A; D030048D22; D3Ertd194e; MGC105246
Gene ID	229317
mRNA Refseq	NM_001005509
Protein Refseq	NP_001005509
UniProt ID	Q8BJW6

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