

Recombinant Mouse Eif3i Protein, Myc/DDK-tagged

Cat. No. Eif3i-2781M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length eukaryotic translation initiation factor 3, subunit I (Eif3i), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	<p>Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis. The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNA_i and eIF-5 to form the 43S pre-initiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation. The eIF-3 complex specifically targets and initiates translation of a subset of mRNAs involved in cell proliferation, including cell cycling, differentiation and apoptosis, and uses different modes of RNA stem-loop binding to exert either translational activation or repression.</p>
Molecular Mass	36.5 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

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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.

GENE INFORMATION

Gene Name Eif3i eukaryotic translation initiation factor 3, subunit I [*Mus musculus* (house mouse)]

Official Symbol Eif3i

Synonyms EIF3I; eukaryotic translation initiation factor 3, subunit I; eukaryotic translation initiation factor 3 subunit I; TRIP-1; eIF3 p36; eIF-3-beta; TGF-beta receptor binding protein; TGF-beta receptor-interacting protein 1; eukaryotic translation initiation factor 3 subunit 2; eukaryotic translation initiation factor 3, subunit 1; eukaryotic translation initiation factor 3, subunit 2 (beta); eukaryotic translation initiation factor 3, subunit 2 (beta, 36kD); 36kDa; Trip1; Eif3s2; D4Ertd632e

Gene ID 54709

mRNA Refseq NM_018799

Protein Refseq NP_061269

UniProt ID Q9QZD9

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