

Recombinant Mouse Thoc7 Protein, Myc/DDK-tagged

Cat. No. Thoc7-6415M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length THO complex 7 (Thoc7), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Required for efficient export of polyadenylated RNA. Acts as component of the THO subcomplex of the TREX complex which is thought to couple mRNA transcription, processing and nuclear export, and which specifically associates with spliced mRNA and not with unspliced pre-mRNA. TREX is recruited to spliced mRNAs by a transcription-independent mechanism, binds to mRNA upstream of the exon-junction complex (EJC) and is recruited in a splicing- and cap-dependent manner to a region near the 5' end of the mRNA where it functions in mRNA export to the cytoplasm via the TAP/NFX1 pathway.
Molecular Mass	23.7 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.

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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 Thoc7 THO complex 7 [*Mus musculus* (house mouse)]

Official Symbol Thoc7

Synonyms THOC7; THO complex 7 homolog (*Drosophila*); THO complex subunit 7 homolog; ngg1-interacting factor 3-like protein 1-binding protein 1; Nif3l1bp1; 1500006O09Rik; 9230101K24Rik; MGC151296; MGC151322

Gene ID 66231

mRNA Refseq NM_025435

Protein Refseq NP_079711

UniProt ID Q7TMY4

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