Recombinant Mouse Timeless Protein, Myc/DDK-tagged

Cat. No. Timeless-6430M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length timeless homolog (Drosophila) (cDNA clone MGC:73470 IMAGE:6837105), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	The protein encoded by this gene is highly conserved and is involved in cell survival after damage or stress, increase in DNA polymerase epsilon activity, maintenance of telomere length, and epithelial cell morphogenesis. The encoded protein also plays a role in the circadian rhythm autoregulatory loop, interacting with the PERIOD genes (PER1, PER2, and PER3) and others to downregulate activation of PER1 by CLOCK/ARNTL. Changes in this gene or its expression may promote prostate cancer, lung cancer, breast cancer, and mental disorders. Several transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	122 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	Timeless timeless circadian clock 1 [Mus musculus (house mouse)]
Official Symbol	Timeless
Synonyms	Timeless; timeless circadian clock 1; ti; tim; C77407; Debt69; protein timeless homolog; mTim; timeless homolog
Gene ID	21853
mRNA Refseq	NM_011589
Protein Refseq	NP_035719
UniProt ID	Q9R1X4

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