

Recombinant Mouse Tipr1 Protein, Myc/DDK-tagged

Cat. No. Tipr1-6439M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length TIP41, TOR signalling pathway regulator-like (<i>S. cerevisiae</i>) (Tipr1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	May be a allosteric regulator of serine/threonine-protein phosphatase 2A (PP2A). Inhibits catalytic activity of the PP2A(D) core complex in vitro. The PP2A(C):TIPRL complex does not show phosphatase activity. Acts as negative regulator of serine/threonine-protein phosphatase 4 probably by inhibiting the formation of the active PPP4C:PPP4R2 complex; the function is proposed to implicate it in DNA damage response by promoting H2AX phosphorylated on Ser-140 (gamma-H2AX). May play a role in the regulation of ATM/ATR signaling pathway controlling DNA replication and repair.
Molecular Mass	31.7 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 Tiprl TIP41, TOR signalling pathway regulator-like (*S. cerevisiae*) [*Mus musculus* (house mouse)]

Official Symbol Tiprl

Synonyms TIPRL; TIP41, TOR signalling pathway regulator-like (*S. cerevisiae*); TIP41-like protein; 1810011K17Rik

Gene ID 226591

mRNA Refseq NM_145513

Protein Refseq NP_663488

UniProt ID Q8BH58

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