

Recombinant Mouse Lmtk3 Protein, Myc/DDK-tagged

Cat. No. Lmtk3-3804M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length lemur tyrosine kinase 3 (Lmtk3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Protein kinase which phosphorylates ESR1 (in vitro) and protects it against proteasomal degradation. May also regulate ESR1 levels indirectly via a PKC-AKT-FOXO3 pathway where it decreases the activity of PKC and the phosphorylation of AKT, thereby increasing binding of transcriptional activator FOXO3 to the ESR1 promoter and increasing ESR1 transcription. Involved in endocytic trafficking of N-methyl-D-aspartate receptors (NMDAR) in neurons.
Molecular Mass	150.9 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

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Lmtk3 lemur tyrosine kinase 3 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Lmtk3](#)

Synonyms LMTK3; lemur tyrosine kinase 3; serine/threonine-protein kinase LMTK3; apoptosis-associated tyrosine kinase 3; aatyk3; BC059845; MGC90743

Gene ID [381983](#)

mRNA Refseq [NM_001005511](#)

Protein Refseq [NP_001005511](#)

UniProt ID [Q5XJV6](#)

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