

Recombinant Human LMTK3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LMTK3-1910H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LMTK3 MS Standard C13 and N15-labeled recombinant protein (NP_001073903) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
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	156.9 kDa
AA Sequence	MRQVLWLCNVCVTARETRHHLHLPAILDKMPAPGALILLA AVSASGCLASPAHPDGF ALGRAPLAPPYAVVLISCSGLLAFIFLLLTCLCCKRGDVGFKEFENPEGEDCSGEYTP PAEETSSSQSLPDVYILPLAEVSLPMPAPQPSHSDMTTPLGLSRQHLSYLQEIGSGW FGKVILGEIFSDYTPAQVVVKELRASAGPLEQRKFISEAQPYRSLQHPNVLQCLGLCV ETLPFLIMEFCQLGDLKRYLRAQRPPEGLSPELPPRDLRTLQRMGLEIARGLAHLHS HNYVHSDLALRNCLLTSDLTVRIGDYGLAHSNYKEDYYLTPERLWIPLRWAAPELLG ELHGTFMVVDQSRESNIWSLGVTLWELFEFGAQPYRHLSDEEVLAFFVVRQQHVKLA

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RPRLKLPYADYWYDILQSCWRPPAQRPSASDLQLQLTYLLSERPPRPPPPPPPPRD
 GPFPPWPWPPAHSAPRPGTLSSPFLLDGFPGADPDDVLTVTSSRGLNLECLWEK
 ARRGAGRGGGAPAWQPASAPPAPHANPSNPFYEALSTPSVLPVISARSPSVSSEYY
 IRLEEHGSPPEPLFPNDWDPLDPGVPAPQAPQAPSEVPQLVSETWASPLFPAPRPF
 PAQSSASGSFLLSGWDPEGRGAGETLAGDPAEVLGERGTAPWVEEEEEEEEGSSP
 GEDSSSLGGGSPRRGPLPCPLCSREGACSCPLERGDVAGWGHPALGCPHPP
 EDDSSLRAERGLADLPMAPPASAPPEFLDPLMGAAAPQYPGRGPPPAPPPPPPPP
 RAPADPAASPDPPSAVASPGSGLSSPGPKPGDSGYETETPFSPGAFPGGGAAEE
 EGVPRPRAPPEPPDPGAPRPPDPGPLPLPGPREKPTFVVQVSTEQLLSLREDVT
 RNLLGEKGATARETGPRKAGRGPGNREKVPGLNRDPTVLGNGKQAPSLSPVNGV
 TVLENGDQRAPGIEEKAENGALGSPEREKVLENGELTPPRREEKALENGELRSP
 EAGEKVLVNGGLTPPKSEDKVSENGGLRFPNTERPPETGPWRAPGPWEKTPES
 WGPAPTIGEPAPETSLERAPASAVVSSRNGGETAPGPLGPAPKNGTLEPGTERRA
 PETGGAPRAPGAGRLDLGSGGRAPVGTGTAPGGGPGSGVDAGWVDNTRPQP
 PPPPLPPPPEAQPRRLEPAPPRARPEVAPEGEPGAPDSRAGGDTALSGDGDPPKP
 ERKGPEMPRLFLDLGPPQGNSEQIKARLSRLSLALPPLTLTPFPGPGRPPWEGA
 DAGAAGGEAGGAGAPGPAEEDGEDEDEDEDEDEDEEAAAPGAAAGPRGPGRARAAP
 VPVVSSADADAARPLRGLLKSPRGADEPEDSELERKRMVFSHGDVTVYLFQET
 PTNELSVQAPPEGDTDPSTPPAPPTPPHPATPGDGFPSNDSGFGGSFEWAEDFLL
 PPPGPPLCFSRFSVSPALETGPPPARAPDARPAGPVENTRTRPLEQKLISEEDLAAN
 DILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

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Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name LMTK3 lemur tyrosine kinase 3 [Homo sapiens (human)]

Official Symbol LMTK3

Synonyms LMTK3; lemur tyrosine kinase 3; serine/threonine-protein kinase LMTK3; KIAA1883; LMR3; TYKLM3;

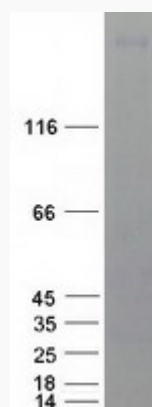
Gene ID 114783

mRNA Refseq NM_001080434

Protein Refseq NP_001073903

UniProt ID Q96Q04

SDS-PAGE



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