

## Product datasheet for TP511980

### Lmtk3 (NM\_001005511) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse lemur tyrosine kinase 3 (Lmtk3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211980 representing NM_001005511 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MPAPGALILLA AVSASGCLASPAHPDGFALSRA PLAPPYAVWLISCSGLLAFIFLLLTCLCCKRGDVRFK          EFENPEGEDCSGEYTPPAEETSSSQSLPDVYILPLAEVSLPMPAPQPPHSDISTPLGLSRQHLSYLQEIG          SGWFGKVLGEVFSYDSPAQVVKELRASAGPLEQRKFISEAQPYRSLQHPNVLQCLGVCVETLPFLM          EFCQLGDLKRYLRAQRPPPEGMSPELPPRDLRTLQRMGLEIARGLAHLHSHNYVHSDLALRNCLLTSDLTV          RIGDYGLAHSNYKEDYYLTPERLWVPLRWAAPELLGELHGSFVLVDQSRESNWSLGVTLWELFEFGAQ          YRHLSDEEVLA FVVRQHVKLARPKLPYADYWDILQSCWRPPAQRPSASDLQLTYLLSERPPRPP          PPPPPRDPFPWPWPPSHSAPRPGTLSSQFPLLDGFPADPDDVLTVTSSRGLNLECLWEKARRGAGR          GGGAPPWQPASAPPAPHTNPSNPFYEALSTPSVLPVISARS PVSSEYYIRLEE HGSPPPELFPNDWDPL          DPGVPGPQAPQTPSEVPQLVSETWASPLFPAPRPFPAQSSGSGGFLLSGWDPEGRGAGETLAGDPAEVLG          EQGTAPWAE EEEEESSPGEDSSSLGGGPSRRG LPLCPLCSREGPC SCLPLERGD AVAGWGDHPALGCPHP          PEDDSSLRAERGLADLPLVPPTSAPLEFLDPLMGA AAPQYPGRGPPAPPPPPPPRASA EPAASDPDP          SALASPGSGLSSPGPKPGDSGYETETPFSP EGAFFGGGAAEEEGVPRPRAPPEPPDPGAPRPPDPGPLP          LPGSQEKPTFVVQVSTEQLLMSLREDVTKNLLGDKGSTPGETGPRKAGRSPANREKGP GPNRDLTSLVSR          KKVPSRSLPVNGVTVLENGKPGVDMKEKVAENGLESPEKEERALVNGEPM SPEAGEKVLANGVLMSPKS          EEKVAENGLR LPRNTERPPEIGPRRVPGW EKT PETGGLAPETLLDRAPAPCEALPQNGLEMAPGQLG          PAPKSGNPDPGTEWRVHESGGAPRAGAGKLDLGS GGRALGGVGTAPAGGPASAVDAKAGWVDNSRPLPP          PPQPLGAQQRRPEPVPLKARPEVAQEEEPGVPDNRLGGDMAPS VDEDPLKPERKGP EMPRLFLDLGPPQG          NSEQIKAKLSRLSALPPLTLTPFP GPGPRRPPWEGADAGAAGGEAGGAGAPGPAEEDGEDEDEDEE          AAGSRDPGR TREAPVPVWSSADGDTVRPLRGLLKS PRAA DEPDES ELERKRKMVSFHGDVTYVLF DQET          PTNELSVQGTPEGDTEPSTPPAPPTPPHPTTPGDGFPNSDSGFGGSFEWAEDFLLPPP GPPLCF SRFSV          SPALETPGPPARAPDARPA GPVEN</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-MYC/DDK



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<b>Predicted MW:</b>	150.9 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u>NP_001005511</u>
<b>Locus ID:</b>	381983
<b>UniProt ID:</b>	<u>Q5XJV6, A0A0R4J0W7</u>
<b>RefSeq Size:</b>	4867
<b>Cytogenetics:</b>	7 B3
<b>RefSeq ORF:</b>	4272
<b>Synonyms:</b>	aatyk3; BC059845
<b>Summary:</b>	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 (By similarity). Involved in endocytic trafficking of N-methyl-D-aspartate receptors (NMDAR) in neurons (PubMed:24760852).[UniProtKB/Swiss-Prot Function]