

Product datasheet for **RN200647**

Ltk (NM_001107763) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ltk (NM_001107763) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ltk
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN200647 representing NM_001107763
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

CTGGAGACCCGCGCGCGCGCAGGGCAGCGGCAGGAGAGGAGGCGCGCGCGCGGTGATACTTCTGAGT
 CTGACCTCCTCTGGGCTGATGGGAAGATGGCATATCCTTCGTCCACCCTAGTGGCGAGCTTACCTACA
 ACCTCTGGCAGTCACAGAGGGCGATGTTGAGGTGGAGATCCGAAGGCACCCCAATTGCAGTCACTGCTCT
 TTCAAAGACTGCCAGTGGCAGGCAGAGCTCTGGAGGGCTGAATGCATATGCCAGAGGGCATGGAGCTAG
 CTGTGGATAATATCACATGCACGGGCTGCCAACCACCACAAGCCCTCTGATAATGATGGGAGCTGTTGT
 GACAGCCTTGACGCTGAGTCTCCTTATGATGTGTGGAGTCTAATTCTAGTGAACCAGAAGAAATGCAG
 AGCCTGCGGGGAACCAGGCTGCCAGGCCCTGAGCTTGAGCTGAGTAAGCTGAGAACCCTGCCATCAGGA
 CAGCACCAACCCATATTACTGTCAGGTGGGGCTCAGCCCTGCCAGGCCCTGGCCTCTGCCCAAGGGCT
 CACTGAGGTTTCCCAGCCAATGTCACCTACTCAGAGCCCTTGCCATGGTGCCTTTGGGAAGTGAT
 GAGGGACTAGTGATTGGTCTTCTGGGGATTCCAGCCCTTCCGGTGGCTATCAAGACTCTGCCGGAGC
 TCTGCTCCCTCAGGATGAGCTGGACTTCTCATGGAGGCTCTCATCAGCAAGTTCAGCCATCAGAA
 TATTGTACGCTGTGTGGGCTCAGCTTCCAGGCTGCCCTCGCCTCATTCTGCTGGAGCTGATGTCTGGT
 GGGGACATGAAGAGCTTCTGAGGCATAGCAGACCACCCGGGACAACCTGTCACCTCTGACCATGCAGG
 ACCTATTACAGTTGGCCAGGATATAGCTCAGGGCTGCCACTACTTGGAGGAAAACTCTTATCCACAG
 AGCATTGCCGCCGAACTGTCTGCTTAGCTGCAGTGGAGACAGCCGAGTGGCCAAGATTGGAGACTTT
 GGAATGGCAAGAGATATCTACCAGGCCAGTTATTATCGCAAAGGGGGCCGGACCTTGCTCCCAGTGAAGT
 GGATGCCCCAGAAGCTCTCCTGGAGGGCCTTTTACATCCAAGACGGACTCCTGGTCTTTTGGGGTCT
 GCTCTGGGAGATCTTCTACTAGGTTATATGCCCTACCCTGGACACACCAACCAGGAGGTTCTAGACTTC
 ATTGCCACAGGGAACAGGATGGACCCTCTAGGAACTGTCTGGGCCAGTGTACCGAATCATGACCCAGT
 GCTGGCAGCTTCAACCTGAGCTCCGCCCTGACTTTGCCAGCATCTTGGAGCGCATTCAATACTGCATTCA
 GGACCCTGATGTGCTGAACCTCGCCCTTGCCATGGAACCAGGGCCATTGTGGAGGAGGAAGGGCCTCT
 GGGCCGGGGAACAGGTCAGTGAAGGTCTTAGATCCCCAAGACCCTGGAAGTCCAGAACTTGA
 AAAGCCGGGAGGAGACCTTCTGGCTCTCAGCTGCCCTCTGGCCTCAAGACCCTCACATCCAGATGCCT
 TCAACCTCAGAACATTTGAACCCACCTATGGCTCCTGGACCCCAAGGAGCCCCAGGGTGAAGATTCA
 GACATTGACCTTAGCAATGGCCCTCTCGGATTCCTTCCAGGGCAGCAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2670_a05.zip

Restriction Sites: SgfI-MluI

ACCN: NM_001107763

Insert Size: 1734 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001107763.2 , NP_001101233.2
RefSeq Size:	2252 bp
RefSeq ORF:	1734 bp
Locus ID:	311337
Cytogenetics:	3q35
Gene Summary:	The protein encoded by this gene is a member of the ros/insulin receptor family of tyrosine kinases. Tyrosine-specific phosphorylation of proteins is a key to the control of diverse pathways leading to cell growth and differentiation. The mRNA for this gene initiates translation from a non-AUG (CUG) start codon. [provided by RefSeq, Jul 2008]