

## Product datasheet for **SC326205**

### LTK (NM\_001135685) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LTK (NM_001135685) Human Untagged Clone
Tag:	Tag Free
Symbol:	LTK
Synonyms:	TYK1
Vector:	<u>pCMV6 series</u>



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001135685, the custom clone sequence may differ by one or more nucleotides

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ATGGGCTGCTGGGACAGCTGCTGGTGTGGTTCGGAGCCGCGGGCGCCATTCTCTGCTCT
AGCCCCGGGTCCCAGGAGACTTTTCTGCGGTCTCGCCCTGCCGCTGGCAAGTCCCAGC
CCCCGGGACCCGAAAGTCAGCGCCCCGCTAGTATCTTGGAGCCAGCCTCCCCGCTGAAT
TCTCCGGGCACCGAGGGTCTTGGCTGTTTTCTACCTGCGGGGCCAGCGCCGGCATGGG
CCCACACAGACACAATGTGACGGGGCGTACGCGGGGACCAGCGTGGTGGTACCCTGGGG
GCCGCCGGGCAGCTGAGAGGCGTGCAGCTGTGGCGCGTGCCGGGCCCTGGCCAGTATCTG
ATCTCAGCCTACGGAGCCGCGGGCGCAAGGCGCCAAGAACCACCTGTGCGGGGCGCAT
GGCGTCTTCGTCTCAGCAATCTTCTCCCTCGGTCTCGGGGAGTCGCTGTACATCCTGGT
GGGCGAGAGGAGAGGACGCCTGTCCCGGAGGTAGCCCGAGAGCCAGCTCGTCTGCCTC
GGGGAGTCTCGAGCCGTTGAAGAGCACGCGGCATGGATGGGAGCGAAGGGTCCCAGGG
TCGCGGCGCTGGGCGGGAGGTGGCGGGGTGGCGGGGCGCCACCTACGTTTTCCGGGTG
CGCGCTGGCGAGCTGGAACCGTTGCTGGTGGCGCGGAGGCGGGTGGGCGCTACCTG
AGGCCCGGGACCGAGGCCGACTCAGGCCTCCCCGAGAACTGGAGAACCCTCGGAG
GCCGCCGGGAGCGCGGGAGAGGCGGGGCGGAGGGGGCGACGTTTCAGAGACTGACAAC
CTCTGGGCTGATGGGGAAGATGGAGTATCCTTCATACACCCAGCAGCGAGCTCTTCTG
CAGCCTCTGGCAGTCACCGAGAACCACGGAGAGGTAGAGATCCGAAGGCACCTCAACTGC
AGTCACTGCCCTTGGAGACTGCCAATGGCAGGCAGAGCTCCAGCTGGCTGAATGCCTG
TGCCAGAAAGGCATGGAGCTAGCTGTGGATAACGTCACTGCATGGACCTGCACAAGCCC
CCAGGCCCTCTGGTCTGATGGTGGCTGTGGTGGCAACCTCAACTGAGCCTCCTTATG
GTGTGTGGGTCTGATTCTGGTGGGGTGGCCCGCCAGTCTGGCCTCTGCCACC
AGGTGTACCCAGGTTTTCCAGCCAATGTTACTCTGCTCAGACCCTGCCAGAACTTGC
TCGCCTCAGGATGAGCTGGATTTCCCTCATGGAGGCCCTCATCATCAGCAAGTTTCGCCAT
CAGAACATTGTGCGGTGTGTGGGCTCAGCCTCAGGGCCACCCCTCGCCTCATTCTGCTG
GAACTGATGTCTGGAGGGACATGAAGAGTTTCTGAGGCACAGTCGGCCACACCTGGGC
CAGCCATCACCTCTGGTATGCGGGACCTGCTGCAACTGGCCAGGACATAGCCAGGGC
TGCCACTACCTGGAGGAAAATCACTTCATCCACAGGGATATTGCCCGCCGAACTGCCTG
CTGAGCTGCGCTGGACCCAGCCGAGTGGCCAAGATTGGGGACTTTGGGATGGCACGAGAT
ATCTACCGGGCCAGTTATTACCGCAGGGGGACCGGGCTTGCTCCAGTCAAGTGGATG
CCCCAGAGGCCCTCCTGGAGGGCATCTTACATCCAAGACAGATTCTGGTCTTTTGGG
GTGCTGCTCTGGAGATCTTCTCACTGGGCTACATGCCCTATCCTGGGCGCACCACAG
GAGGTGCTGGACTTCGTGTTGGAGGAGCCGGATGGACCCTCCTAGGGGCTGCCAGGG
CCTGTGTACCGCATCATGACCCAGTGTGGCAGCACGAGCCTGAGCTCCGCCCTAGCTTT
GCCAGCATCTGGAGCGTCTGCAGTACTGCACTCAGGACCCGGATGTGCTGAATCACTC
CTGCCAATGGAGCTGGGGCCACCCAGAGGAGGAAGGGACTTCTGGGCTGGGGAACAGA
TCTTTGGAGTGCCTAAGACCCCCACAGCCCCAGGAACTGAGTCCAGAGAAGTTGAAAAGC
TGGGGAGGTAGCCCTCTTGGCCCTGGCTGTCTCTGGCCTCAAGCCCTCAAATCCAGG
GGCCTCAAACCTCAGAACCTTTGGAATCCCACTTATCGCTCC

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- Restriction Sites:** Please inquire
- ACCN:** NM\_001135685
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001135685.1</a></u> , <u><a href="#">NP_001129157.1</a></u>
<b>RefSeq Size:</b>	2753 bp
<b>RefSeq ORF:</b>	2205 bp
<b>Locus ID:</b>	4058
<b>UniProt ID:</b>	<u><a href="#">P29376</a></u>
<b>Cytogenetics:</b>	15q15.1
<b>Protein Families:</b>	Druggable Genome, Protein Kinase, Transmembrane
<b>Gene Summary:</b>	<p>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. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]</p> <p>Transcript Variant: This variant (3) lacks two internal coding exons and uses an alternate splice site in the central coding region, compared to variant 1. The resulting isoform (3) is missing two internal segments and has a short segment in an alternate reading frame but with the same N- and C-termini, compared to isoform 1.</p>