

Product datasheet for **SC214819**

LYK5 (STRADA) (NM_153335) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	LYK5 (STRADA) (NM_153335) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	STRADA
Synonyms:	LYK5; NY-BR-96; PMSE; Stlk; STRAD; STRAD alpha
ACCN:	NM_153335
Insert Size:	1481 bp



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Insert Sequence: >SC214819 3'UTR clone of NM_153335
The sequence shown below is from the reference sequence of NM_153335. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CGGGAGAGCAGAGGGTGCTCAGGAGGGTAAAGGCCAGGGTGTGAAGGGACTTACCTCCCAAAGTTCTGC
AGGGGAATCTGGAGCTACACACAGGAGGGATCAGCTCCTGGGTGTGTAGAGGCCAGCCTGGGGAGCTC
TGGCCACTGCTTCCCATGAGCTGAGGGAGAGGGAGAGGGGACCCGAGGCTGAGGCATAAGTGGCAGGAT
TTCGGGAAGCTGGGGACACGGCAGTGTGCTGCGGTCTCTCCTCCCTTTCCCTCCAGGCCAGTGCCA
GCACCCTCTGAACCACTCTTTCTTCAAGCAGGTATCGTAGCCCTTCGTTCTGGTTCTGGTTCTAGTT
CTGGTTCTAACTCACAATCCCTTTAGCTTTCTCTCCCTCCCTTTGAATGAGAGAACTACCCCGC
TTCCGAAGCCCTGAAAGACACTGCTCCTTCTCTCATGGAGTTGGCTCCGACAGCCCGTCTGCCACCA
GGCCATGGTTCTTGCCCATGGTGTCTGGGACCCAGAGCAACAGGATCTGTCACCCACCTCTCTCTT
CTCCCCAGATCAAGCGACGTGCCTCAGAGGCTTTGCCCGAATTGCTTCGTCTGTACCCCATCACC
AATTTTGGAGGCAGCCAGTCTCAGGACCACAGTGAATCTTTGGCCTGGTAAACAACTGGAAGAGCTG
GAGGTGGACGATTGGGAGTTCTGAGCCTCTGAAACTGTGCGCATTCTCCAGCCAGGGATGCAGAGGCC
ACCCAGAGGCCCTTCTGAGGGCCGGCCACATTCGCCCTCCTGGGCAGATTGGGTAGAAAGGACATT
CTTCCAGGAAAGTTGACTGCTGACTGATTGGGAAAGAAAATCCTGGAGAGACACTTCACTGCTCAAAGG
CTTTTGAGACACAAGGGAATCTCAACAACAGGGATCAGGAGGGTCCAAAGCCGACATTCACAGTCTCTG
TGAGCTCAGGTGACCTCCTCCGAGAAGAGAGATGCTGCTTGGCCCTGGGAGCTGAATTCGAAGCCCA
GGGTTTGGCTCCTTAAACCCGAGGACCCACCTTCCAGTGTCTTCCAGCAGCCTCATTCTATTTA
ACTTTTGCTCTCAGATGCCTCAGATGCTATAGGTGAGTGAAGGGCAAGTAGTAAGCTGCCTGCCTCCT
TCCTCAGACCTCCTCATAATTCCAGAGAAGGGCATTCTGTCTTTTAAAGCACAGACTAAGGCTG
GAACAGTCCATCCTTATCCCTCTTCTGGCTTGGGCCCTGACACCTAAGTCTTTCCACGGTTTATGTGT
GTGCCATCCTTTCCACCAAGAATCCATCTTAGCGCCTCCTGCCAGCTGCCCTGGTGTCTTCTCCA
AGGGCCATCAGTGTCTTGCCTAGCTTGGGGCTTAAGTCTTATGCTGTGTAGTTTCGTTGTCAGAAC
AAATTAATTTTTCAGAGACGCTGCTGGAGAA
ACGCGTAAGCGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_153335.6](#)

Summary:

The protein encoded by this gene contains a STE20-like kinase domain, but lacks several residues that are critical for catalytic activity, so it is termed a 'pseudokinase'. The protein forms a heterotrimeric complex with serine/threonine kinase 11 (STK11, also known as LKB1) and the scaffolding protein calcium binding protein 39 (CAB39, also known as MO25). The protein activates STK11 leading to the phosphorylation of both proteins and excluding STK11 from the nucleus. The protein is necessary for STK11-induced G1 cell cycle arrest. A mutation in this gene has been shown to result in polyhydramnios, megalencephaly, and symptomatic epilepsy (PMSE) syndrome. Multiple transcript variants encoding different isoforms have been found for this gene. Additional transcript variants have been described but their full-length nature is not known. [provided by RefSeq, Sep 2009]

Locus ID:

92335

MW:

53.9