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Product datasheet for SC209974

LYK5 (STRADA) (NM_001003787) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	LYK5 (STRADA) (NM_001003787) Human 3' UTR Clone
Symbol:	LYK5
Synonyms:	LYK5; NY-BR-96; PMSE; Stlk; STRAD; STRAD alpha
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001003787
Insert Size:	797 bp
Insert Sequence:	>SC209974 3'UTR clone of NM_001003787 The sequence shown below is from the reference sequence of NM_001003787. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GAGCTGGAGGTGGACGATTGGGAGTTCTGAGCCTCTGCAAACTGTGCGCATTCTCCAGCCAGGGATGCA GAGGCCACCCAGAGGCCCTTCCTGAGGGCCGGCCACATTCCCGCCCTCCTGGGCAGATTGGGTAGAAAG GACATTCTTCCAGGAAAGTTGACTGCTGACTGATTGGGAAAGAAAATCCTGGAGAGACACTTCACTGCT CCAAGGCTTTTGAGACACAAGGGAATCTCAACAACCAGGGATCAGGAGGGTCCAAAGCCGACATTCCCA GTCCTGTGAGCTCAGGTGACCTCCTCCGCAGAAGAGAGATGCTGCTCTGGCCCTGGGAGCTGAATTCCA AGCCCAGGGTTTGGCTCCTTAAACCCGAGGACCGCCACCTCTTCCCAGTGCTTGCGACCAGCCTCATTC TATTTAACTTTGCTCTCAGATGCCTCAGATGCTATAGGTCAGTGAAAGGGCAAGTAGTAAGCTGCCTGC CTCCCTTCCCTCAGACCTCTCCCTCATAATTCCAGAGAAGGGCATTTCTGTCTTTTTAAGCACAGACTA AGGCTGGAACAGTCCATCCTTATCCCTCTTCTGGCTTGGGCCCTGACACCTAAGTCTTTCCCACGGTTT ATGTGTGTGCCTCATTCCTTTCCCACCAAGAATCCATCTTAGCGCCTCCTGCCAGCTGCCCTGGTGCTT TCTCCAAGGGCCATCAGTGTCTTGCCTAGCTTGAGGGCTTAAGTCCTTATGCTGTGTTAGTTTCGTTGT CAGAACAAATTAAAATTTTCAGAGACGCTGCTGGAGAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI

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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_001003787.4

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: 29.2