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Product datasheet for SC210503

Protein kinase like protein SgK493 (PKDCC) (NM_138370) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	Protein kinase like protein SgK493
Synonyms:	RLSDF; SGK493; Vlk
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_138370
Insert Size:	859 bp

Insert Sequence:

>SC210503 3'UTR clone of NM_138370
The sequence shown below is from the reference sequence of NM_138370. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAGACCACATATGTGAAGGCCTCTGGCTGACCTATCTGAGGGCTCGGCTGACCAGCTGACTATCCTCAG
CAGCTGGGCTTGCCTGTGGAGGGAGTGACTTGCACTGGCAGCACTGCATGTCACCTGGGAACCCCTGCA
GACAAAGCTAACATCCCAGACAGACAGATGTGACCAGGACAAACGTGCAATAATGCCAAATGTTAAAAT
GTGAGTTTACCAGCCTAGCTATGGGACTGCTGGCTCCTAGTCCAGGAATCATGGGGGTATGACTGCCTC
TCCAACCCTGTGGGCTGTAAGCAAGCTCAGGCTAGTCTCCCCACTGGGGGCTGTGCCCCTCCCTGGGAC
GGTTCCGTGGGCAGCCCCATCACTGTGTTCAATAGTGTGAGAATGTAGCTAAAGCCCCTGCTGCTGCTG
CTGCACATGCCACAGCAGGCGGTGGGGGCTGCGTGGGGACAATCCATCGTGGAGTGTTCTCTCAGCTTA
GGTCTGGACAGGAGACTTGGCGGGAGATGCTCCAGGATGTGGGTGATTCTGTACCTGGGGAGGCTATCT
CTGACCTCCCGACAGGGGACACTCCCAGGCCAGCCCAGGGGTCAGGGGCAGAGGTGCACACCTCAGCAT
GAGCCAAGACTGGGGTCAGGGAGCAGGTGTGGTTTGAGCCAGGACCTGGGGCGGGGGTGGGGCCGGGGC
CTTTCTGCCTCATTTGCTTTCAATGAAAGCCTCAAAGCAGCCAAAACCAGGCTTTCCCCCTTCCTCGAG
TTTGAATATCCAGAATCTTTTGTACTTCTTGTTGGTTAAATTGTTTATTTTTGTAAAAAATAAAATAAA
ATTAGTTAATAAAATGATGTTTCACAGCAAA
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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_138370.3

Summary: Secreted tyrosine-protein kinase that mediates phosphorylation of extracellular proteins and endogenous proteins in the secretory pathway, which is essential for patterning at organogenesis stages. Mediates phosphorylation of MMP1, MMP13, MMP14, MMP19 and ERP29 (PubMed:25171405). Probably plays a role in platelets: rapidly and quantitatively secreted from platelets in response to stimulation of platelet degranulation (PubMed:25171405). May also have serine/threonine protein kinase activity. Required for longitudinal bone growth through regulation of chondrocyte differentiation. May be indirectly involved in protein transport from the Golgi apparatus to the plasma membrane (By similarity).[UniProtKB/Swiss-Prot Function]

Locus ID: 91461

MW: 30.9