

Product datasheet for **SC327880**

Protein kinase like protein SgK493 (PKDCC) (NM_138370) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Protein kinase like protein SgK493 (PKDCC) (NM_138370) Human Untagged Clone
Tag:	Tag Free
Symbol:	Protein kinase like protein SgK493
Synonyms:	RLSDF; SGK493; Vlk
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC327880 representing NM_138370.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCGCGCGCGGGCGGCAGTGGCCGCGGGTTCTGCGCCTCCTTCTGCTGGGTCCGTCTCAAC
GTGCTCTTCGCTCCGGGCTCGGAGCCTCGGAGCCAGCCAGTCCCCTGAGCCTTCGCCGGCCCCGGT
CCGGGCCGTCCGGGGCCCGGGGAGCTGGCCCGGCAGATCCGGGCGCGCTACGAGGAGGTGCAGCGC
TATCCCGCGGGGGCCCCGGGCCCGGGCGGGCCGGCAGCGCGCGCCCTGATGGACCTGGCTCCG
GGCGGGCCCGGCCTGCCGCGCCCCGGCCCCCTTGGGCCCGGCCCTGTCCGACGGCGCCCCAGGCTGG
CCCCGGCTCCCGGCCAGGCTCCCCGGGCCCGGCCCGCCTGGGCTGCGCCGCGCTTCGCAACGTG
TCCGGCGCAGTACATGGGCTCAGGCTACACCAAGCCGTGTACCGGGTCCGCCTGCCCGCGGTGCC
GCGGTGGCGCTCAAGGCGGTGGACTTTAGCGGCCACGATCTGGGAGCTGCGTGCAGGATTCGGGGTA
CGGAGGGGCTGCTATCGGCTGGCGGCCACAAGCTGCTTAAGGAGATGGTGTCTGGAGCGGCTCGCG
CACCCCAAGTGTGCAGCTCTATGGCTACTGCTACCAGGACAGCGAGGACATCCAGACACCCTGACC
ACCATCACGGAGCTGGGCGCCCCTGTAGAAATGATCCAGCTGCTCAAACCTCCTGGGAGGATCGATTC
CGAATCTGCCTGAGCCTGGGCCGCTCCTCCACCACCTGGCCACTCCCCACTGGGCTCCGTCACTCTG
CTGGACTTCCGCCCTCGGCAGTTTGTGCTGGTGGATGGGAGCTCAAAGTACGCGACCTGGATGACGCA
CGTGTGGAGGAGACGCCGTGTGCAGGCAGCACCAGTGCATACTCGAGTTTCCGGCCAGGAACCTCACC
CTGCCCTGCTCAGCCAGGGCTGGTGGCAGGGCATGAACGAGAAGCGGAACCTCTATAATGCCTACAGG
TTTTTCTTACATACCTCCTGCCTCACAGTGCCCCGCCTTCACTGCGTCTCTGCTGGACAGCATCGTC
AACGCCACAGGAGAGCTCGCCTGGGGGTGGACGAGACCCTGGCCAGCTGGAGAAGGTGCTGCACCTG
TACCGGAGCGGGCAGTATCTGCAGAATCCACGGCAAGCAGCAGTACCGAGTACCAGTGTATCCAGAC
AGCACCATCCCCAGGAAGACTACCGCTGCTGGCCATCCTACCACCACGGGAGCTGCCTCCTTTCAGTG
TTCAACCTGGCTGAGGCTGTGGATGTCTGTGAGAGCCATGCCAGTGTCCGGCCTTTGTGGTACCAAC
CAGACCACCTGGACAGGTCGGCAGCTGGTCTTTTTCAAGACTGGATGGAGCCAAGTGGTCCCTGATCCC
AACAGACCACATATGTGAAGGCCTCTGGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_138370

Insert Size: 1482 bp

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.

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_138370.2
RefSeq Size:	2517 bp
RefSeq ORF:	1482 bp
Locus ID:	91461
UniProt ID:	Q504Y2
Cytogenetics:	2p21
Protein Families:	Druggable Genome, Protein Kinase
MW:	54.1 kDa
Gene 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]