

Product datasheet for **RR214836**

Stkld1 (NM_001107822) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Stkld1 (NM_001107822) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Stkld1
Synonyms: RGD1307355
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214836 representing NM_001107822
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGAAATTTCTCCCATCGACCAGAGGTCCAACCTCAGAGCCCTTAACAAGCTTCTGACAATGCCAGAGG
ATCAGCTAGGCCCTGCCGTGGCCACAGAGCTGGTAGAGGAGGTCATCACCATCATAAAGCAGCATGAGAA
GGTCCTGGATATTCTGCTCAGCGCTGCTCCCTGCTGCTGCGTGTCTGGCCAAGCACTGGCGCATGAC
TCAGAAGCTGAGATCCCGAAGAGCAGCTTGATCACCTCCTTCCTGATGAATGCCTTGAGAGCCACCCCTA
ACTCTGAAGGCCTTGTCTTGTGACCTACAATGTGCTCAGCATCATCTCTAGCCAAGGACAGATCTCAGA
GGAGCTAGAAGAGAAGAGATTGTTTGAGCTTGCCAAAAGCACCTGGAGCGCTTCCAAGAGGACAGGGAC
ATCTGCCCTCGGTATCCTGAGCCTGCTCTGGTCCCTCCTGGTAGATGTTGACACTGTGAACAAAGAGCCCT
TGGAGAACCTCTCAGTCTCAGTCACCTGGGTGCTGGCTTTTCATCAAGAGGACATGGAAGTAACAGAGGC
GTGCTGCTGCTGAGAAGCATCCAGCTATGTCTGGCAGAGTACTTCTGGTGAACAATGCACTCCGCGGCT
TGGCCAGCCTCGCAAAGGTGTCTGAACCTGGTGGCCTTCCGAACAGTAGTACTGGAAGAGGCGAGCTGG
CCTCCACCTCGTCCAAGACATCTACCAGCTCTACAAGGATGACCCTGAGGTGGTGGAGAACATCTGCATG
CTGTTGGCCAACTGGCCTCCTACAAGGAGATCCTGCCAGAGATGATGTCTGGAGGCATCAAGACCTAG
TCCAGGTGATCCGGGGCGCTTTACCTCCAGTCTGGAGCTGATTTCTTATGCTGATGAGATACTTCAGGC
ATTGGAAGCAGCTACACATCCTAGCCCCAGGAGGATCAGCTTGAACCTCCTGCAATGCTGGAAGCCTCC
AAGTCTCCCACTGCAGGCAGATCCTCTCCTCAGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR214836 representing NM_001107822
 Red=Cloning site Green=Tags(s)

MQNF SHRPEVQLRALNKLLTMPEDQLGLPWPTELVEEVITIIKQHEKVL DILL SACSL LRLV LGGALAH D
 SEAEIPKSSLIT SFLMNALQSHPNSEGLVLVTYNVLSIISSQGQISEELEEKRLFELAQKHLERFQEDRD
 ICLGILSLLW SLLVDVDTVNKEPLENLSVSVTWVLA FHQEDMEVTEAGCAVLWLLSLMGCIKEGQFEQVV
 VLLLRSIQLCPGRVLLVNNALRGLASLAKVSELVAFRTVVLEEGSSGLHLVQDIYQLYKDDPEVVENICM
 LLAQLASYKEILPEMMSGIKDLVQVIRGRFTSSELELISYADEILQALEAATHPSQEDQLEPPAMLEAS
 KVSPLQADPLLRP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

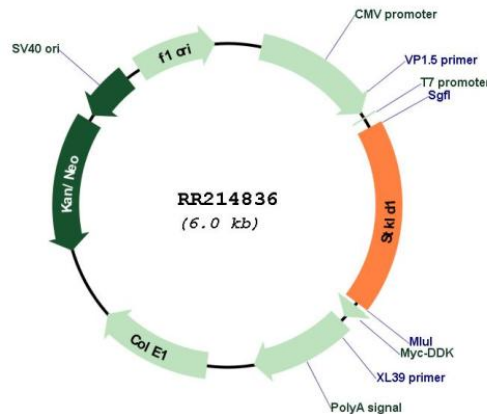
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107822

ORF Size:	1089 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001107822.1 , NP_001101292.1
RefSeq Size:	2270 bp
RefSeq ORF:	1092 bp
Locus ID:	311825
Cytogenetics:	3p13
MW:	40.4 kDa