

## Product datasheet for **RR205597**

### **Kansl3 (NM\_001034835) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kansl3 (NM_001034835) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kansl3
Synonyms:	RGD1309220
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide  
Sequence:

>RR205597 representing NM\_001034835  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCCACCGGGTGGGAGAGGGACTCCAGACTTCAGCTCGTCGGATGGGTACCTCCCTGCTTTTCC  
AGCTTTCAGTGATGAGCGGGAAGTGGACTTGTCTTTCTGGATCATAGCTATGCAAAACCGTGGAGTGC  
CCACCCCGATGCCAGCAGCGCCCGCCACCCGCATGCTCTTTGTAACCTCCCGTCGGCAGCAGGAGAAT  
ACTATTGAGTCAGACGTTCCAATAGATGTGGAGACTGTCACGGCAACTCTGCTCCACTCTATGACAATC  
AGAAGGCAAGAAGTGTGATGAATGAGTGTGAACGGCATGTGATCTTCGCCAGGACAGATGCAGATGCTCC  
TCCTCCACCAGAAGACTGGGAAGAGCACGTCAACAGGACTGGCTGGACAGTGGCTCAGAATAAGCTGTT  
AACAGATCCTCAAAGCCCTGCAGTCTGACCGGCTCGCACGATTGGCCAATGAAGGGCTTGAATGAGC  
CTGTGCTCGTCTGCTGTGGACAAGTGTGAAGGAGGGTGGCCAGGCACTGGCAAGTGTGAGCTG  
GGACACCAAGCTGATCCAGTGGCTGCACACCACCTCTGAGGACCTTGAGCCTACCCATGCTAGCTGCT  
TACTTGGATGCATTGCAGACACTGAAAGGAAAGATCCCAACTCTGATAGACCGGATGCTTGTGCTGCTCCA  
ACACAAAAGTGGGCGAGCAGGAGCTGAGGCTTGTCACTTCTCCTCAAGAGGCCCTGGGACCCTGCTGT  
TGGTGTGCTTTCACATAACAAACCAAGCAAACCTCCCTGTTCTCCTTTGATTCTCATCGCCTCCTCTGGT  
CCCTCCAGCTCTGTGTTCCCGCCTCACGCCGCCACCGCTTCTGGCAGTCCCAGCTTTCCTGCTTAGGCA  
AGGTATCCCTGTAGTACCCACCTGCTGAACAATGGCAGTGGGTAGGAGTCTGCAGTGCCTTGAACA  
CATGACTGGGGCAGTGAGAAGCAAAGTGTGGAGATTACAGCCATTTCCACACAAGCCATCATCTTG  
ATTGGATGGAGTACAGGAGCTTGGTGGCTGTATGTCTGTGATGGAATACGTCAGTCTGTGTGTG  
GCCTTGGGTTTCTCTGCTTACTGTGGATGGACCCCGGGGGATGTGGATGACCCCTCTTGGGACTGAA  
GACTCCAGTCTCTTTGTCATTGGTCAGAATTCTACAGTGTACCCCTGAAGCCATGGAGGACTTCCGG  
GAAAAGATTTCGAGCAGAAAATAGCTTGGTGGTGGTGGAGGAGCTGATGATAATCTCAGAATAAGCAAAG  
CAAAGAAGAAATCAGAGGGCTTGAATCAAAGCATGGTGGACAGGTGATTTCAGGATGAGATTGTGGACTT  
CCTGACTGGGGTCTCACTCGTGTGAGGGTCACTGGGCTCTGAGCCTCGGGATCAGGATGCTGAGAAG  
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CTTCCCGAGTCCAGGCTTCCACATCCCGCTCAGGCTCAGAGGATCTCTCCAGTGTGTCAGCAGCCCC  
CACCTTAGCCCTAAGACCAAAGGGACCACAGTACCTCTGCCAGAAGTCCAGTCAAGTCCAGGACCTCC  
CAGCTGCTGAGAAGACATGTGCAGAGGACGGACGCTGTGCTGACCCACAGACAAGCCAAGTTCACATTT  
CATCAGAACCAAGTGGAGGAGGTAGAGAAAGAAGAGCTTCGGGTCCAGCTGAAGAGGCACCATCCTCCAG  
TCCTCTTCTGCGCAAAGCCCTCCAAGCGACCGAAGATCAAAGTGTCCCTGATCTCCAAAGGGGACACA  
GTTGGGGGCTTGTACTCTTTCTCAAGGTGGAACCTCTGAAGCTGCTGGAGGGAAGCCCATCACCATGA  
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GAAAACCACTGCCATCCACCAGCTGCTGACCAATGGAGGCTCGCTAAGTTGGCAAGCAGCCTACCTGG  
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AGATGCTGCCCTAGTTACAGCGCCTGCCTCCAGCACC

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR205597 representing NM\_001034835  
 Red=Cloning site Green=Tags(s)

MAHRGGERDFQTSARRMGTSLLFQLSVHERELDLVFLDHSYAKPWSAHPDASSARPTRMLFVTPRRQEN  
 TIESDVPIDVETVTATPAPLYDNQKARSVMNECERHVIFARTDADAPPPEDWEEHVNRGTVAQNKLF  
 NKILKALQSDRLARLANEGACNEPVLRRVAVDKCARRVRQALASVSWDTKLIQWLHTTLVETLSLPLAA  
 YLDALQTLKGIPTLIDRMLVSSNTKTGAAGAEALSLLLKRPWDPAVGVLSHNKPSKLPGPSPLI LIASSG  
 PSSSVFPASRRHRFWQSLSCLGKVIPVATHLLNNGSGVGLQCLEHMTGAVRSKVLEIHSFPHKPIIL  
 IGWSTGALVACHVSVMEYVAVVCLGFPLLTVDGPRGDVDDPLLDKTPVLFVIGQNSLQCHPEAMEDFR  
 EKIRAENSLVVVGGADDNLRISKAKKKSEGLTQSMVDRCIQDEIVDFLTGVLTRAEGHVGSEPRDQDAEK  
 KKKPRDVARRDLAFEIPERGSRPASPAARLPTSPSGSEDLSSVSSSPTSSPKTKGTTVTSAQKSSQIGTS  
 QLLRRHVQRDQAVLTHRQAQVPISSPEVEEKEELRVQLKRHHPSPLPGAKPSKRPKIKVSLISQGD  
 VGGPCTL SQGGTPEAAGKPIITMTLGASAGAKELTGLLTTAKSSSSEGGVTASAAPSVAASNATPNAIHT  
 LQ SRLVATSPGSSPGAASASSLLQGLSFLQDISSKTTGLPGSPSPGPAPQATSVKLPTPMQSLGAIT  
 GTSTIVRTIPVATLSSLAATPGGKPTAIHQLLTNGGLAKLASSLPGLAQISNQASGLKVPTTITLTLRG  
 QPSRITLSPMGSGAAASEEPNSQMLPSSSQLPPAP

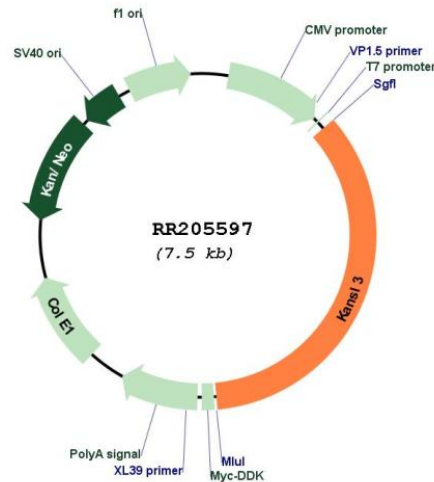
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_001034835

**ORF Size:** 2631 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:**

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\\_001034835.1](#), [NP\\_001030007.1](#)

**RefSeq Size:** 4460 bp

**RefSeq ORF:** 2634 bp

**Locus ID:** 316328

**UniProt ID:** [Q3KR73](#)

**Cytogenetics:** 9q21

**MW:** 93 kDa

**Gene Summary:** As part of the NSL complex it is involved in acetylation of nucleosomal histone H4 on several lysine residues and therefore may be involved in the regulation of transcription.  
[UniProtKB/Swiss-Prot Function]