

Product datasheet for **RR213937**

Kansl2 (NM_001004244) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kansl2 (NM_001004244) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kansl2
Synonyms:	RGD1303127
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR213937 representing NM_001004244
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACAGGATTCGGATTCACGTCTTGCCAACGAATCGGGGAGGATCACCCAGTGCCAGATCTCAGG
 AGCCCCTCTCTTGTTCGTTCACTCACCGCCATGCTCTCAGCCGCTCTGGAGGGCAGGAGTTTGTCT
 TAAGCATATTCTTGAAGACAAGAATGCACCTTCAAACAATGTAGTTACATTTTCACGAAGAATGGGAAG
 AGGTGCCCCAGTGCTGCCCCAAGCCTGAGAAGAAAGATGGGGTGTCTTCTGTGCTGAACATGCTCGAA
 GGAATGCCCTAGCACTTCATGCTCAAAATGAAGAAGAGTAACCCAGGCCCTATGGGTGAAACCTCTTGTG
 CCAGTTGAGCTCATATGCTAAAACAGAGCTGGGCTCGCAGACCCAGAGAGTAGCCGAAGCGAGGCGAGC
 CGGATACTGGATGAAGACAGCTGGAGTGATGGGACCAGGAACCCATTACTGTGGATCAGACATGGAGAG
 GTGACCCTGACAGTGAAGCTGATAGCATAGACAGTGATCAAGAAGATCCCCTAAAACATGCGGGTGTCTA
 TACAGCCGAGGAGGTGGCTCTTATCATGAGAGAAAAGCTGATTCTGTTGCAGTCTTTGTACATTGATCAG
 TTAAACGACTACAGCCTGCTCAAAGAGAAGAAGCGCCGTTACTTACATAATCGGAAAGTGGAACACG
 AAGCTTTAGGTAGTAGTCTCCTGACTGGCCCCGAGGGACTTTTGCCAAAGAGAGAGAGAATTTAAAGCG
 ACTAAATGTCTCAGGCATACCGTCAACGCTATGGAGTAGAAGCCTTACTACACAGGCAGCTGAAGGAA
 CGCAGAATGCTGGCCACAGAGGGGGCTGCTCAACAGGCTCATACCACTCGTTCAGTCAGAGGTGCTTAG
 CCTTTGTGGATGATGTTTCGCTGCTCCAATCAGTCTCTCCGATGACCAGACACTGCCTTACCCATATCTG
 TCAGGATACAAATCAGGTTCTCTTCAAATGCTGCCAGGATCTGAAGAGGTACCTGTAAACAAACAGTT
 CCTGTAAGCCTTTCTGAGGACCCCTGCTGTCCACTGCACTTCCAGTTGCCTCCTCAGATGTATAAGCCCG
 AGCAGGTACTGTCTGTGCCAGACGGTCTGGAAGCCGGCCCCATGGATCTGTACTTGAGTGCTGCCGAGCT
 TCAGCCCACTGAGAGCTTACCAGTGGAGCTCAGTGACGACTTGGATGTCGTAGGTGATGGCATGCCGTGC
 CCTCCATCGCCCTTGTCTTTGATCCCTCCCTAACTCTAGAAGATCATTCCGTCAGTGAATTGCCGGAG
 GCCCAGGACAGATACAGGTGGCTGGGATGGGTGCAGATCCCAGGGACCTCATAATGTAGAGAAAACCTG
 TGCACCATTCCTCAGCGTGGATTGGCTACTGCAATGGAAGAACAGAGCCCACTTCTATCAGT

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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

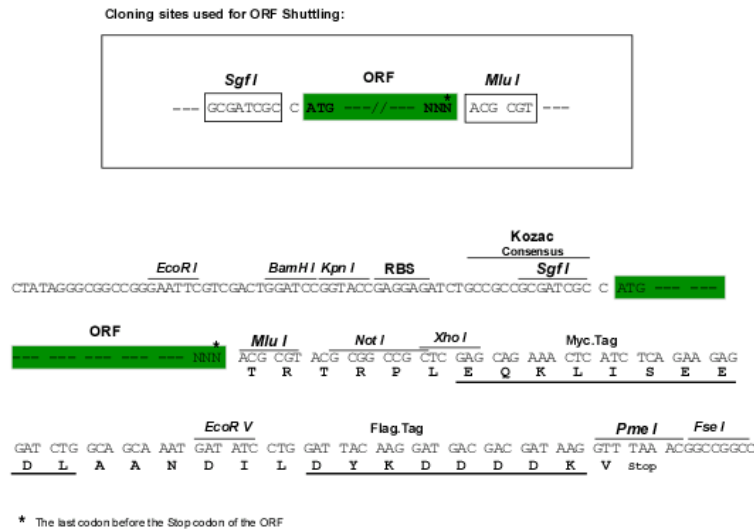
>RR213937 representing NM_001004244
 Red=Cloning site Green=Tags(s)

MNRIRIHVLPNTRGRITPVPRSQEPLSCSFTHRPCSQPRLEGQEFCLKHILEDKNAPFKQCSYISTKNGK
 RCPSAAPKPEKKGVSFCAEHARRNALALHAQMKKSNPGPMGETLLCQLSSYAKTELGSQTPESSRSEAS
 RILDEDSWSDGDQEPITVDQTWGDPDSEADSIDSDQEDPLKHAGVYTAEEVALIMREKLIRLQSLYIDQ
 FKRLQHLLKEKKRRYLHNRKVEHEALGSSLLTGPEGLLAKERENLRLKCLRRYRQRYGVEALLHRQLKE
 RRMLATEGAAQQAHTTRSSQRCLAFVDDVRCNSQSLPMTRHCLTHICQDTNQVLFKCCQGSEEVPCNKPV
 PVSLSEDPCCPLHFQLPPQMYKPEQVLSVPDGLAEPMDLYLSAAELQPTESLPLELSDLDVVGDMGPC
 PPSPLLFDPSLTLEDHSVTEIAGGPGQIQVAGDGCRSQGPHNVEKTCAPFPQRGLATANGKPEPTSI

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001004244

ORF Size: 1464 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_001004244.2](#), [NP_001004244.2](#)

RefSeq Size: 2082 bp

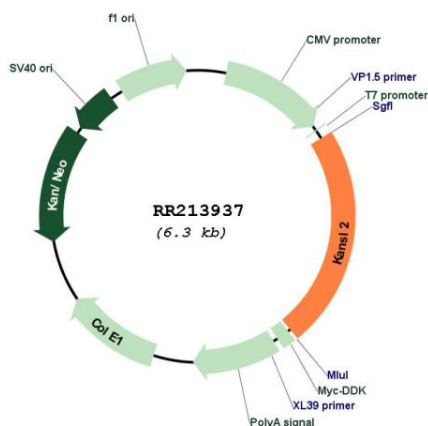
RefSeq ORF: 1467 bp

Locus ID: 300206

UniProt ID: [Q6AY70](#)

Cytogenetics:	7q36
MW:	54.4 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]

Product images:



Circular map for RR213937