

Product datasheet for **MR229978**

Kansl2 (NM_001289437) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kansl2 (NM_001289437) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kansl2
Synonyms:	2310037I24Rik; B930009D17
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR229978 representing NM_001289437
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACAGGATTCGGATTCACGTCTTGCCAACGAATCGGGGGAGGATCACCCAGTGCCAGGTCGCAGG
 AGCCCTTTCTGTTCTGTTCACTCACCGCCGTGCTCTCAGCCGGGCTGGAGGGCAGGAGTCTGCAT
 TAAGCACATTCTTGAAGACAAGAATGCACCCCTCAAACAATGTAGTTACGTCTCGACGAAGAATGGAAAA
 AGGTGCCCCAGTCTGCCCAAAGCCCGAGAAGAAAGATGGGGTGTCTTTCTGTGCCGAACATGCTCGAA
 GAAATGCCCTAGCACTTCATGCTCAAATGAAGAAGAGCAACCCAGGCCCTATGGGTGAAACCTCTTG
 CCAGTTGAGCTCATACGCTAAAACAGAGCTGGGCTCGCAGACCCAGAGAGCAGCCGAGTGAAGCCAGC
 CGGATACTGGATGAAGACAGCTGGAGTGTGGGACCAGGAACCCATCACTGTGGATCAGACATGGAGAG
 GTGACCCTGACAGTGAAGCCGATAGCATAGACAGTGTCAAGAAGATCCCCTGAAACATGCTGGTGTCTA
 TACAGCTGAAGAAGTGGCTCTTATTATGAGAGAAAAGCTAATTCGTTTGCAGTCTTTGTACATTGATCAG
 TTTAAAAGACTCCAACACCTGCTCAAAGAGAAGAAGCGCCGCTATTTACACAACCGAAAGTGGAGCAGC
 AGGCTTTAGGTAGTAGTCTCCTGACTGGCCCTGAGGGACTTTTGCCAAAAGAGAGAGAGAATTTAAAGCG
 ACTAAAATGTCTTAGCGATACCGTCAACGCTATGGAGTAGAAGCCTTACTACACAGGCAGCTGAAGGAA
 CGCAGAATGCTGGCCACCGATGGGGCTGCTCAACAGGCTCACACCACTCGTTCAGTCAGAGGTGCTTAG
 CCTTTGTGGATGATGTGCGCTGCTCCAATCAGTCTCTCCAATGACCAGACACTGCCTTACCCATATCTG
 TCAGGATACAAATCAGGTTCTCTCAAATGCTGCCAGGATCTGAAGAGTCCCCTGCAACAAACAGTT
 CCTGTAAGCCTTTCTGAGGATCCCTGCTGCCCTCTGCATTTCCAGTTGCCTCCTCAGATGTATAAGCCCG
 AGCAGGACTTGGATGTTGTGGGTGATGGCATGCCATGCCCGCCGTCGCCATTGCTCTTTGATCCTTCGCT
 AACTCTTGAAGATCATTAGTCACAGAAAAGTCCCGGAGACGCAGGACAGATGCAGGCGGCTGGGGATGGG
 TGAGATCCCAGGAGCTCGAAGTGTAGAGAAAAGCAGCATTCCCCTCAGCGTGGATTGGCTACTGCCAATG
 GAAAACAGAACCCACTTCTATCAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR229978 representing NM_001289437
 Red=Cloning site Green=Tags(s)

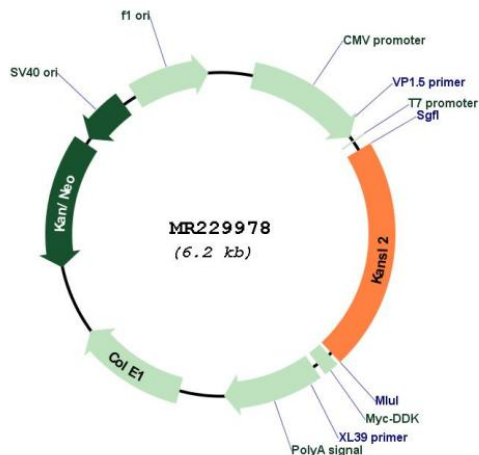
MNRIRIHVLPNTRGRITPVPRSQEPLSCSFTHRPCSQPRLEGQEFCKIHKILEDKNAPFKQCSYVSTKNGK
 RCPAAPKPEKKGVSFCAEHARRNALALHAQMKNPMPGETLLCQLSSYAKTELGSQTPRESSRSEAS
 RILDEDSWSDGDQEPITVDQTWGDPDSEADSIDSDQEDPLKHAGVYTAEEVALIMREKLIRLQSLYIDQ
 FKRLQHLLKEKKRRYLHNRKVEHEALGSSLLTGPEGLLAKERENLKRKLCRRYRQRYGVEALLHRQLKE
 RRMLATDGAQQAHTRSSQRCLAFVDDVRCNSQSLPMTRHCLTHICQDTNQVLFKCCQGSSEVPCNKPV
 PVSLSLSEDPCCPLHFQLPPQMYKPEQDLVVGDGMPCCPSPLLFDPSTLEDHVSVTEASAGDAGMQAAGDG
 CRSQGARSVEKAAFPQRGLATANGKPEPTIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001289437

ORF Size: 1356 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_001289437.1](#), [NP_001276366.1](#)

RefSeq Size: 3515 bp

RefSeq ORF: 1359 bp

Locus ID: 69612

UniProt ID: [Q8BQR4](#)

Cytogenetics: 15 F1

MW: 51 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]