

Product datasheet for **MC227767**

Kansl2 (NM_001289437) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC227767 representing NM_001289437
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACAGGATTCGGATTACGCTTTGCCAACGAATCGGGGAGGATCACCCAGTGCCAGGTCGCAGG
 AGCCCTTTCTGTTCTGTTCACTCACCGCCGTGCTCTCAGCCGGCTGGAGGGCAGGAGTTCTGCAT
 TAAGCACATTCTTGAAGACAAGAATGCACCTTCAAACAATGTAGTTACGTCCTCGACGAAGAATGGAAAA
 AGGTGCCCCAGTGTGCCCAAAGCCCGAGAAGAAAGATGGGGTGTCTTTCTGTGCCAACATGCTCGAA
 GAAATGCCCTAGCACTTCATGCTCAAATGAAGAAGAGCAACCCAGGCCCTATGGGTGAAACCTCTTG
 CCAGTTGAGCTCATACGCTAAAACAGAGCTGGGCTCGCAGACCCAGAGAGCAGCCGAGTGAAGCCAGC
 CGGATACTGGATGAAGACAGCTGGAGTGTGGGACCAGGAACCCATCACTGTGGATCAGACATGGAGAG
 GTGACCCTGACAGTGAAGCCGATAGCATAGACAGTGTCAAGAAGATCCCCTGAAACATGCTGGTGTCTA
 TACAGCTGAAGAAGTGGCTCTTATTATGAGAGAAAAGCTAATTCGTTTGCAGTCTTTGTACATTGATCAG
 TTTAAAAGACTCCAACACCTGCTCAAAGAGAAGAAGCGCCGCTATTTACACAACCGAAAGTGGAGCAGC
 AGGCTTTAGGTAGTAGTCTCTGACTGGCCCTGAGGGACTTTTGGCCAAAGAGAGAGAGAATTTAAAGCG
 ACTAAAATGTCTTAGGCGATACCGTCAACGCTATGGAGTAGAAGCCTTACTACACAGGCAGCTGAAGGAA
 CGCAGAATGCTGGCCACCGATGGGGCTGCTCAACAGGCTCACACCACTCGTTCAGTCAGAGGTGCTTAG
 CCTTTGTGGATGATGTGCGCTGCTCCAATCAGTCTCTCCAATGACCAGACACTGCCTTACCCATATCTG
 TCAGGATACAAATCAGGTTCTCTCAAATGCTGCCAGGATCTGAAGAGGTCCCCTGCAACAAACAGTT
 CCTGTAAGCCTTTCTGAGGATCCCTGCTGCCCTGCTGATTTCCAGTTGCCTCCTCAGATGTATAAGCCCG
 AGCAGGACTTGGATGTTGTGGGTGATGGCATGCCATGCCCGCGTCCGCTTTGCTCTTTGATCCTTCGCT
 AACTCTTGAAGATCATTAGTACAGTACAGAAAAGTGCCGGAGACGCAGGACAGATGCAGGCGGCTGGGGATGGG
 TGAGATCCCAGGAGCTCGAAGTGTAGAGAAAAGCAGCATTCCCTCAGCGTGGATTGGCTACTGCGAATG
 GAAAACCGAACCCTTCTATCAGTTGA

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001289437
- Insert Size:** 1359 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:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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

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]
Transcript Variant: This variant (2) uses an alternate in-frame splice junction at the 3' end of an exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.