

## Product datasheet for **MG215961**

### **Kansl3 (NM\_172652) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kansl3 (NM_172652) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Kansl3
Synonyms:	4632411B12Rik; 4932435K23; AI431067; AI647574; C85723; Kiaa1310; mKIAA1310
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG215961 representing NM\_172652  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCACCGGGTGGGAGAGGGACTCCAGACTTCAGCTCGCGGATGGGTACCTCCCTGCTCTTCC  
 AGCTTTCAGTGATGAGCGGAACTGGACTCGTTTTCTGGATCATAGCTATGCAAAACCGTGGAGTGC  
 CCACCCAGATGCCAGTAGTGCCCGCCACCCGCATGCTCTTTGTAACCCCCGTCGCGCAGCAGGAGAAT  
 ACTATTGAGTCAGACGTTCCAATAGATGTGGAGACGGTACGGCAACTCCTGTTCCACTTTATGACAATC  
 AGAAGGCAAGAAGTGTGATGAACGAGTGTGAACGGCACGTGATCTTCGCCAGGACAGATGCAGATGCTCC  
 TCCTCCGCCAGAAGACTGGGAAGAACATGTCAACAGGACTGGCTGGACAGTGGCTCAGAATAAGCTATTT  
 AACAGATCCTCAAAGCCCTGCAGTCTGACCGCTTGCACGATTGGCCAATGAAGGGCTTGAATGAGC  
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 GGACACCAAGCTGACCCAGTGGCTGCACACCACCTCGTGGAGACCCTGAGCCTGCCATGCTGGCTGCT  
 TACTTGGATGCCCTGCAGACACTGAAAGGGAAGATCCCAACTTTGATAGATCGGATGCTTGTGTCGTC  
 ACACAAAACCTGGGGCTGCAGGAGCGGAGGCCCTTGTCCCTTCTCCTCAAGAGGCCCTGGGACCCTGCTGT  
 TGGTGTGCTTTCACATAACAAACCAAGCAAGCTCCCTGTTTCTCCTTTGATTCTCATCGTCTCCTGCTGGT  
 CCCTCCAGCTCTGTGTTCCCTGCCTCACGCCGCCACCGCTTCTGGCAGTCTCAGCTCTCCTGCTTAGGCA  
 AGGTCACTCCCTGTAGCGACCCATCTACTGAACAATGGCAGTGGGTAGGAGTCTGCAGTGCCTCGAACA  
 CATGATTGGGGCCGTGAGAAGCAAAGTGTAGAGATTACAGCCATTTCCACACAAACCCATCATCCTG  
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 GACTCCAGTCTCTTCGTCATTGGTCAGAATTCTTACAGTGTACCCTGAAGCCATGGAGGACTTCGGG  
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 AAGAAGAAACCCCGGACTTGACCCGAAGAGACCTGGCCTTTGAAATTCCTGAGCGAGGCAGTGTCTCTG  
 CTTCCCCAGCTGCCAGGCTCCCCACATCCCTCAGGCTCAGAGGATCTCCTCAGTGTGCCAGCAGCCC  
 CACCTTAGCCCTAAGACCAAAGTGACCACAGTACCTTACCCAGAAATCAAGTCAGATTGGGACCTCC  
 CAGCTGTGAAAAGACATGTGCAGAGGACAGAAGCTGTGCTGACCCACAGACAAGCCCAAGTCCCATT  
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 GTTGGAGGACCTTGCCTCTTCTCAAGGTGGAACACCTGAAGCTGCCGGAGGGAAGCCCATCACCATGA  
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 AGGTGGAGGTACAGCCAGCACAACCCATCTGTGGCTTCCAGCAGTGCACACCTAATGCTATCCACAG  
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 TCCAGGGCCTCAGCTTACAGTACAGGATATTAGCAGCAAGACCTCTGGCCTCCAGGAAGTCCCTCCCC  
 AGGGCCAGCCCCACAGGCCACCAGTGTGAAATTGCCAACCCCATGCAGAGTCTGGTGGCCATCACCACA  
 GGCACGACACCATTTGTCGTAACATCCCTGTGGCCACCACTCTCTCCTCTGGGTGCCACTCCTGGTG  
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 CTTGGCTCAGATTTCCAACCAAGCATCAGGCTTAAAGGTCCCCACCACCTACTCTGACGCTGCGTGGC  
 CAGCCAAGCAGAATTACCACGCTAAGCCCTATGGGGTCAGGGGCAACGCCGTCCGAGGAGCCCAACTCCC  
 AGATGCTACCATCTAGTTCACAGCGCTGCCTCCAGCACCC

**ACGGTACGCGGCCGCTCGAG** – GFP Tag – **GTTTAA**

**Protein Sequence:** >MG215961 representing NM\_172652  
 Red=Cloning site Green=Tags(s)

MAHRGGERDFQTSARRMGTSLLFQLSVHERELDLVFLDHSYAKPWSAHPDASSARPTRMLFVTPRRQEN  
 TIESDVPIDVETVTATPVPLYDNQKARSVMNECERHVIFARTDADAPPPEDWEEHVNRGTVAQNKLF  
 NKILKALQSDRLARLANEGACNEPVLRRVAVDKCARRVRQALASVSWDTKLQWLHTTLVETLSLPMLAA  
 YLDALQTLKGIPTLIDRMLVSSNTKTGAAGAEALSLLLKRPWDPAVGVLSHNKPSKLPGPSLILIVSSG  
 PSSSVFPASRRHRFWQSQLSCLGKVIPVATHLLNNGSGVGLQCLEHMIGAVRSKVL EIHSHFPHKPIIL  
 IGWNTGALVACHVSYMEYVAVVCLGFPLLTVDGPRGDVDDPLLDMKTPVLFVIGQNSLQCHPEAMEDFR  
 EKIRAENSLVVVGGADDNLRISKAKKKSEGLTQSMVDRCIQDEIVDFLTGVLTRAEHVGSEPRDQAEK  
 KKKPRDLTRRDLA FEIPERGRPASPAARLPTSPSGSEDLSSVSSPTSSPKTKVTTVTSTQKSSQIGTS  
 QLLKRHVQRTEAVLTHRQAQVPISSVESVIEKEELRVQLKRHHSSSPLPGAKPSKRPKIKVSLISQGD  
 VGGPCTLSQGGTPEAAGGKPIITMTLGASAGAKELTGLLTTAKSSSSEGGTASTTPSVASSATPNAIHT  
 LQ SRLVATSPGSSLPGTASASSLLQGLSFLQDISSKTSGLPGSPSPGPAPQATSVKLPMPQSLGAIT  
 GTSTIVRTIPVATLSSLGATPGGKPTAIHQLLTNGSLAKLASSLPGLAQISNQASGLKVPTTITLTLRG  
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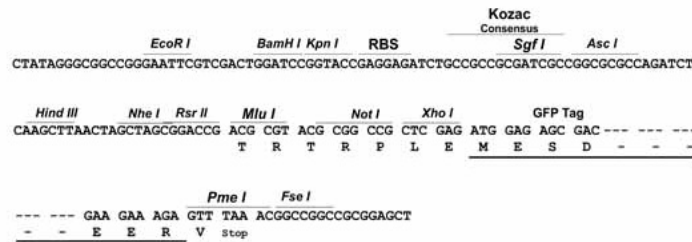
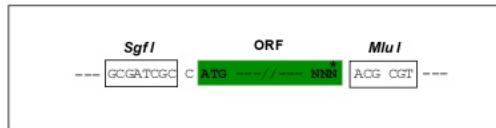
TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

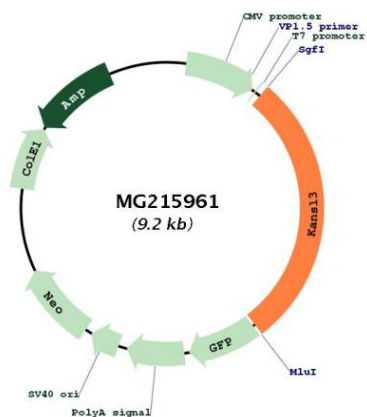
**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



<b>ACCN:</b>	NM_172652
<b>ORF Size:</b>	2631 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_172652.3</a> , <a href="#">NP_766240.1</a>
<b>RefSeq Size:</b>	4663 bp
<b>RefSeq ORF:</b>	2634 bp
<b>Locus ID:</b>	226976
<b>UniProt ID:</b>	<a href="#">A2RSY1</a>
<b>Cytogenetics:</b>	1 B
<b>Gene Summary:</b>	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 MG215961