

## Product datasheet for **MR214722**

### **Doxl2 (NM\_001029987) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Doxl2 (NM_001029987) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Doxl2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>MR214722 representing NM\_001029987  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGGTTGGCACAAGGAGCTTGGCACTGGGCTGCATGGCCATCGTGTTGGTTCTACAGGAGACCATGG  
CAGAGTACCCAGCTGGATGTTGAATGGCAAGGCCAGGTGTTCTCAGACCTGAGCATCCAGGAGATGGA  
GGCTGTGCACAGCTTCTGATGGCAGGACGGAGCTGGAGCTGCAGCCATCCGGCACACAGGCTTTGGAC  
AAGAATTCTGTGTTCTCATTGAGACTCTGCTGCCAACAAGAAGGTGGTCTAGAGTTTCTGAATAAAG  
GAACCAGACCTCTGTGCGGGAAGCCCGTGTCACTATTTTCTTTAGTGCCAGGAGCACCCCAATGTCAC  
CGAGTTTGTGTAGGGCCCTGCCACAGCCCATCTACATGAGAGAAGTGTCCCCAGGCCAGAGAAAACAT  
CGATCTGGGCATCCAGACCCATGTCAAAGCAGAGCAAAGCCTTCTCTACCACAAAATCAAGGAGGCCA  
CCACACCCTTAAAGGGGTTTTCTTGACACCACTGGCTTCTCATTAGAGGACTGCAATGGCCAGTGTCT  
GACCTTACCCATGTGGCCCCCATAGTGTGGAGTCTAGACATCGGGCCACTGGTTCCTCTTGCAGCGC  
ATTGTAAGAAGATCGCCTGCTACAACCCACAGGTCTGGAGGTCCTTGTGGATCATGGGAGCACAGATATCC  
GAGACTGGAGAGTAGAGCAGGTCTGGTATAATGGGAAGCTCTACAGCAGCCCAGAGGAAGTGGCTCAGAA  
ATATGCAGATGGAGAAGTGGACACGGTGGTCTCAAGGACCTGCGTCCCAAGAACACAGAGCTGCCACAA  
GTCTTTAAACAGCCTGGTGGGAAATTCGCAGCGCCCTCAGAAAACTGGGCCCATGTGAAACAAGCCA  
ATGATTCAGATACCACCTAGAGGGTAACACTGTGATCTACAAGACTGGAGTTTCTCCTCCAGCTTCCG  
ACCATCTTCTGGGCTGCAGATATTGAATGTGCACTTCAGGAATGAGTATATAGCCTATGAGATTGGCGTG  
CAAGGTGCTATGGCTGTGCATAGAGAAAAACACTGCAGGAGAACTGACCAAAACCATGGATCTAGGCT  
GGAGCTGGGCACTGTAACCTACGAGTTAGCCCCTGGCATCAACTGTCCAGAGACAGCCACCTTCTAGAG  
CGTCATCCACTACCATGGCACTGATGGCCTGTCCGTTATCCACGAGCCCTCTGCCTCTTTGAGATACCC  
ACAGGGGTGCCTGTTAGGCCTACCTTTAACACCAACTCTGCAGGCAAAATCAACTCTTTTCAGATGTGA  
TGGGACACAAACTGGTGTACGGGCAACCTCAGCGCTCTACAATTTTGATTACATCTGGGACTTCATCTT  
CTATACTACGGGCACGATCTCAGCCAAGATGCATGCCACAGGTTACATCCACACCACCATCTATACCCGT  
GAAGGATTGAGAGAACTCACCTGCTGACTCACAGCTTGGCCACAGCCACACCCACCTTGTGCATTACC  
GTGTTGACCTGGATGTGGCAGGCACCAACAACAGCTTCCACACTGCAGGCCAAGCAGAAAAACACCAC  
CAACTCCAGCAGCCCAAGACGCCTGGTACAGGACGTGATGGAGAAGACACAGTATCCCAGGAGCGCCAG  
GCCACCTTCTCCTTTGGACAAACTCTGCCTTCATTCTCTGCTCTTAGCAGCCCCAAAAGGACATCTGGG  
GATACCGGCGCAGCTATCGCTTAAAGATCTACTCCACATCTGAGCAGAGGCTGACCCCTGAAACCAAGA  
GGACTTGGCTTTCAGCTGGGCCCGTACTCCCTGGCAGTGAGCAAATACTCAGACTCTGAACAGTACAGC  
ACCAGCATCTACAACCAGAATCACCCCTGGGATCCCCCTGTGGTCTTTGAGGATTTCTTTCAGGACAGTG  
AGAATATTGAAGACCAGGATTTGGTGGCCTGGGTGACAGTAGGCTTCTCTCATGGGCCCACTCTGAAGC  
TGCTCCATATATGGCCTCGTCTAGGAACCTCGTAGGCTTTTGTCTCTGCCTTTCAACTTCTTCTATATC  
ACTGAAAAACATCCAGCTACAAGTGCCACAGATATATCTGACACTGGATCCCTGGGGCAGGGTCTGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR214722 representing NM\_001029987  
 Red=Cloning site Green=Tags(s)

MGLAQRSLALGCMAIVLVLQETMAEYPSWMLNGKAQVFSDSL SIQEMEAVHSFLMGRTELELQPSGTQALD  
 KNSVFLIETLLPNKKVVLEFLNKGTRPPVREARV I IFFSAQEHPNVTEFAVGPLPQPIYMREL FPRPEKH  
 RSWASRPMSKAEQSLLYHKIKEATTP LKGFFLDTTGFSLEDCNGQCLTFTHVAPHSVESRHRATWFL LQR  
 IVKDRLLQPTGLEVLVDHGSTDIRDWRVEQVWYNGKLYSSPEELAQKYADGEVDTVVLKDLRPKNTELPQ  
 VFNKPGGKFAAPLRKSGPHVKQANDSRHLEGN TVIYKDWFSFQLRPSSGLQILNVHFRNEYIAYEIGV  
 QGAMAVHREKTPAGELTKTMDLGWSLGTVTHELAPG INCPETATFLDVIHYHGTDPVRYPRALC LFEIP  
 TGVPVRPTFNTNSAGKINFFSDVMGHKL VLRATSALYNFDYIWDFFIYTTGTISAKMHATGYIHTTIYTR  
 EGLRETHLLTHQLGHSHTLVHYRVDLDVAGT NNSFHTLQAKQKNTTSSSPRRLVQDVMKQTQYSQERQ  
 ATFSFGQTLPSFLFSSPKKDIWGYRRSYRLKIYSTSEQRLTPETQEDLAFSWARYSLAVSKYSDSEQYS  
 TSIYNQNHPWDPVVFEDFLQDSENIEDQDLVAWVT VGF SHGPHSEAAPYMASSRNFGVGLLLPFNFYI  
 TEKHPATSATDISDTGSLGAGSA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9092\\_g08.zip](https://cdn.origene.com/chromatograms/mm9092_g08.zip)

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

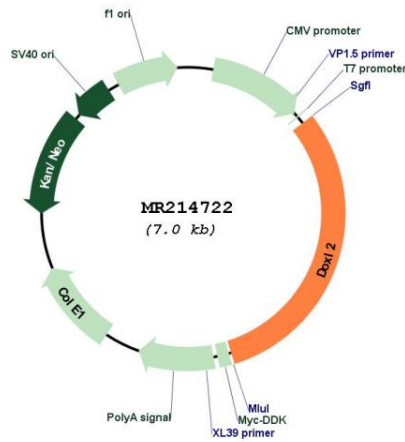
**ACCN:** NM\_001029987

**ORF Size:** 2169 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.

<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>	<u><a href="#">NM_001029987.2</a></u>
<b>RefSeq Size:</b>	2288 bp
<b>RefSeq ORF:</b>	2172 bp
<b>Locus ID:</b>	243376
<b>Cytogenetics:</b>	6 B2.3
<b>MW:</b>	81.9 kDa

**Product images:**


Circular map for MR214722