

## Product datasheet for **MC217009**

### **Kdelc2 (NM\_212445) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kdelc2 (NM_212445) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kdelc2
Synonyms:	2010004J24Rik; 4833410J10Rik; AW549401
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217009 representing NM\_212445  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCAGGCCCTGCCGCTGGGGCTGCAGCTCGCCCTGCTGGTGGCGCGGGGGCCGGGGCGCGCTGAGCG  
 CACCGCGGAGCCTGGCGTGGGGCCCTGGGTTGCAGGCCGCGCCGCTCTGCCCGTGCCTACTTCTTCTCT  
 GCAGTCGGTGGACTCGGACCGCCGGAATTCAGTCTCGCCGCCAGGTCAAACACAGTTCAAAGTAGTG  
 GTAAAATCCCTTTACCTAAAGAGCTGGTCCGATTTATGTCCCTAAACCTTTGGACAGAAATGATGGAA  
 CGTTTTTGGTGAGATACAGGATGCACGAGACGGCCATAAAGGGCTCAAGATAGAGATCCTTCATGGCAG  
 TGAACATGTGGCTCACTCTCCCTATATTTTAAAGGACCCGTGTACCACGAGTACTGTGACTGCCCGGAA  
 GATGACCCTCAGTCTGGCAGGAAACCCTGTCTTGTCCAGCCAGTGAACCACAGATCGAGCAGGATTTTG  
 TTTCTTCCCAGCATTAACTCCAGCAGATGTGAAGGAGGTCCCACAAGATTTGGGGACGAGCGGGG  
 TGCTGTTGTTTATTACACAATTCTCAATAACCACATCTACGGAGATCTTTGGGGAAATACACAGACTTC  
 AAAATGTTCTCTGATGAAATTTTGTGTCAGTGGCAAGAAAGGTACCCCTCCAGATTTAGAATTTTATA  
 TCAACCTTGAGATTGGCCCTTGAGCATCGAAAAGTCAATGACACCCAGGCCCTATACCTATCATTTTC  
 CTGGTGTGGCTCCTTGGACTCAAGAGACATTATCCTTCCAACATATGATGTACCCACTCCACACTCGAA  
 GCAATGAGGGGTGCACAAATGATCTCCTCTCCGTTCCAGGAAACACAGGGCCTTCATGGATCAATAAAA  
 CAGAGAAAGCTTTCTTCCGAGGTAGAGATAGCCGGGAGGAGAGGCTGCAGTTGGTACTTCTGTCCAAAGA  
 AAATCCACAGCTGCTAGATGCAGGAATTACAGGATATTTCTTTTCCAAGAGAAAGAAAAGAGCTTGGA  
 AAAGCCAAGTTGATGGGTTTCTTTGATTTCTTTAAGTACAAGTACCAAGTGAACGTGGACGGGACTGTGG  
 CCGCCTACAGGTATCCGTACCTCATGCTGGGCGACAGCCTGGTCCCTCAAGCAGGAGTACCATACTACGA  
 ACATTTCTATGTGGCACTAAAGCCTTGAAACACTACGTTCCCATTAAGAGAAACCTCGGTGATTTACTA  
 GAGAAAGTGAAATGGGCCAAGGAAAATGATGAAGAAGCAAAGAAGATTGCGAAAGAGGGCAGTTAACTG  
 CCAGGGACCTGCTCCAGCCGCCAGGCTTTACTGCTACTATTACAGAGTACTGCAGAAATATGCCGAGCG  
 CCAGGCCAGCAAGCCATGATTCGTGATGGAATGGAGCTTGTTCACCGCCGGATGATGGCACATCCATC  
 TGCCAGTGCCACCGGAGGAGGCCGTGAGAGGGAAGAGCTT**TGA**

**ACGGGT**ACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_212445

**Insert Size:** 1512 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).

**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\\_212445.2](#), [NP\\_997610.1](#)

**RefSeq Size:** 3644 bp

**RefSeq ORF:** 1512 bp

**Locus ID:** 68304

**UniProt ID:** [G5E897](#)

**Cytogenetics:** 9 A5.3

**Gene Summary:** Protein glucosyltransferase that catalyzes the transfer of glucose from UDP-glucose to a serine residue within the consensus sequence peptide C-X-N-T-X-G-S-F-X-C. Can also catalyze the transfer of xylose from UDP-xylose but less efficiently. Specifically targets extracellular EGF repeats of proteins such as NOTCH1 and NOTCH3. May regulate the transport of NOTCH1 and NOTCH3 to the plasma membrane and thereby the Notch signaling pathway. [UniProtKB/Swiss-Prot Function]