

Product datasheet for **MC223699**

Kcnt2 (NM_001081027) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnt2 (NM_001081027) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kcnt2
Synonyms:	E330038N15Rik; Slick
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223699 representing NM_001081027 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGTTGATTTGGAGAGCGAAGTGCCCCCTCGCCTCCAGGTACAGATCCGGGATTTGCTGCTAGGGG
ACCAAGGCTGGCAAAATGATGACAGGGTCCAAGTTGAATTCTACATGAACGAAAACACATTTAAAGAGAG
ATTAAACTGTTTTTCATAAAAAACCAGCGATCAAGTCTAAGAATCCGCTTGTTCAACTTTCCCTGAAG
TTGTTAAGCTGCTTATTATATATTATCCGTGTGTGCTTGAGAAACCGTACAGGGAAGTGAATGGTCTC
ACATATTTGGGTTAACCGAAGTCTACCTTTATGGGGTTACAGGTCTCAGTGGCATTGATAAGTCTATT
TGAAACAATACTCCTTGTTATCTCAGTTATAAGGAAATATCTGGGAGCAGATTTACGAATCCATTC
ATCTTGAAATAATCAATGCAGTCCCCTTCATCATCTCAATATCTGGCCACCTTAAGAAATCTATTTG
TTCCAGTTTTCTAAATGTTGGCTTGCCAAACATGCCTTGAAAATATGATTAATGATCTCCATAGAGC
CATTACAGCTACACAGTCTGCAATGTTAATCAAGTTTGGATTTGATATCTACTTTACTATGCCTTATC
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ACAGGATTATTACGTGGTGATTTTGTGTCCCACGGAGATGGATGTGCAAGTTCCGGAGAGTACTACAGATT
CCAATGTGGTCCCAGAGAGTGATCTACCTTCAAGGCTCTGCCCTTAAAGACCAGGATCTCCTGAGAGCAA
AGATGGACAATGCTGAGGCTGTTTCATTTTGTAGTCCGCTGCGAAGTGGATAGAACCTCATCTGATCA
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AAACCAGAAAACAAATCCACATCAAATTTGCAGATCATGTTGTTGTGAAGAAGAGTTTAAAGTACGCCA
TGTTAGCTTTAACTGTATATGCCAGCAACATCTACACTCATTACACTACTGGTTCATACCTCTAGAGG
GCAAGAAGGGCAGCAGTCACTGAACAGTGGCAGAAGACTTACGGGAGGTGCTCAGGAAACGAAGTCTAT
CACATCGTTTTGGAAGAAAGTACATTTTTTGTGAATGAAGGGAAGAGTTTTACCTATGCTTCTTTTC



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ATGCCCAAAAAAGTTTGGTGTCTGCTTGGTGGTGTAGGAGGGAGGATAATAAAAACATTTTCTGAA
 TCCAGGTCCTCGATACATTATGAATGCTTCAGACATATGTTTTTATTAATATTACAAAGAAGAAAAT
 TCAGCATTTAAGAATCAAGACCAACAGAGAAAAAGTAATGTGTCAAGGTCATTTTATCATGGCCTTCCA
 GATTGCCTGTCCACAGCATATTGCCAGCATGGTACTGTGGCTATAGACTTGCAAGACACAAGCTGCAG
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 CCTGTTTTAGAGGTGGCAGATACATCATCAATTCAAACATGCGATCTCCTAAGTGACCAGTCCGAAGATG
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 CATAGGAAGTTCACCTACTTTTTGTCCACTTCAAGAAAAAGTGCCATTTTGCTGCTTAAGATTAGAC
 AAGAGTTGCCAGCATAACTACTATGAGGACGCAAAGCCTATGGATTCAAAAATAAACTAATTATAGTTG
 CAGCTGAAACAGCTGAAATGGACTATATAATTTTATTGTACCTCTCAGGGCATATTATAGACCAAAGAA
 AGAATTAATCCCATAGTTCTGCTATTGGATAACCCGCCAGATATGCATTTTCTGGATGCAATCTGTTGG
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 TTGCTGCCAACATGGTGGTGGACAAAGAAAGCACCATGAGTGCAGAGGAAGACTACATGGCAGATGC
 CAAGACGATTGTGAATGTGCAGACTCTGTTCAAGTTGTTTTCAAGTCTCAGTATCATCAGTACCTACG
 CATCCAGCAAATATGAGATTCATGCAATTCAGAGCCAAGGATTGTTACTCTCTCGCGCTTTCAAACCTGG
 AAAAGAAAGAAAGAGAACGAGGTTCTAAGTGGCCTTTATGTTTTCGACTGCCTTTTGCTCGCGGAAGAGT
 GTTCAGCATCAGTATGTTAGACACCTTCTTTATCAGTCAATTTGTAAAGATTATATGATTTCTATCACC
 AGACTTCTTTGGGACTGGACACCATACCAGGATCGGGGTTTCTTTGTTCTATGAAAATCACTGAAGATG
 ACTTGTGGATCAGAACGTATGCCAGACTCTATCAGAAGTTGTGTTCTTCTACTGGAGATGTTCCCATCGG
 GATCTACAGAACAGAATCTCAGAACTAACGACATCTGAGTCTCAAATATCCATTAGTGTGGAAGAGTGG
 GAAGACACCAAAGATGTCAAAGACCCAGGGCACCACCGCAGCCTTACCAGCACTCAACGCTAGTGACC
 AGTCGGACCATCCCTTGTGCGGAGGAAGAGCATGCAGTGGGCCCGAAGGCTGAGCAGAAAAGGGCCGAA
 GCACCTTGGTAAAACGAGAAAAATAACTCAACAGCGACTGAACCTTACCAGGATCCGAAAGACAG
 GAGCTTGTGAACTTGTGAAAAACAGAATGAAACACCTGGGCTCTCGACGGTGGGCTACGATGAAATGA
 ATGATCATCAGAGCACCTGTCTACATCCTGATTAATCCGTCTCCAGACACCAGGCTTGAGCTGAATGA
 TGTGTATATTTGATCCGACCAGATCCACTGTCTACCTTCAAACAGTGAACCCAGTAGAAAAACAGC
 ATCTGCAATGCCGCTGTTCAAGATTCTCGGGAGGAAAACCAACTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001081027
- Insert Size:** 3408 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_001081027.2, NP_001074496.2
RefSeq Size: 3957 bp
RefSeq ORF: 3408 bp
Locus ID: 240776
Cytogenetics: 1 F