

Product datasheet for **MC208814**

Kcnk7 (NM_010609) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kcnk7 (NM_010609) Mouse Untagged Clone
Tag: Tag Free
Symbol: Kcnk7
Synonyms: 2310014G03Rik; Kcnk6; Kcnk8; Knot; Mlk3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208814 representing NM_010609
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGGAGTCTGAAACCATGGGCCGATACCTGCTCCTGCTTATGGCCACCTGCTGGCCATGGGCCTTG
GGCTGTGGTGTTCAGGCCCTGGAGGGCCCTCCAGCTCGCCACCTCCAGGCCAGGTCCAGGCTGAACT
GGCTAGCTTCCAGGCAGAGCACAGGGCCTGCTTGGCCACCTGAGGCCCTGGAGGAGCTGCTAGGTGCGGT
CTGAGAGCACAGGCCCATGGAGTTTCCAGCCTGGGCAACAGCTCAGAGACAAGCAACTGGGATCTGCCCT
CAGCTCTGCTGTTCACTGCCAGCATCCTACCACCACCGTTATGGCCACATGGCCCCACTCTCCTCAGG
TGGAAAGGCCTTCTGTGTGGTCTATGCAGCCCTGGGCTGCCAGCCTCTAGCACTTGTGGCTGCCCTG
CGCCACTGCTTGTGCTGTGTTTCAGTCGCCCAGGTGACTGGGTAGCCATTTCGCTGGCAGCTGGCACCAG
CTCAGGCTGCTCTGCTACAGGCAGCAGGACTGGCCCTCCTGGTGGCCTGTGTCTTCATGCTGCTGCCAGC
ACTGGTGTGTGGGTGTACAGGGTACTGCAGCCTGCTAGAAGCCATCTACTTCTGTTTCGGCTCACTC
AGCACGATCGGCCTAGGAGACTTGCTGCCTGCCATGGACGTGGCCTGCACCCAGCCATTTACCACCTTG
GGCAGTTTGCACCTCTTGGTTACTTGCTCCTGGGGCTCCTGGCCATGTTGTTAGCAGTAGAGACCTTCTC
AGAGCTGCCTCAGGTCCGTGCCATGGTGAATTTTGGGCCAGTGGCTCTAGAACCGATGAAGATCAA
GATGGCATCCTAGGCCAAGATGAGCTGGCTCTGAGCACTGTGCTGCCTGACGCCCCAGTCTTGGGACCAA
CCACCCAGCCTCAGTATCAGAACATCAGAACAGACCCAGCCTGCTGACCCAGTCAGGCGACAGGAAG
TCAGCTCGATCGTGTGGGGACCTGAGCGGGAGGCACCAAGGAGTGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_010609



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Insert Size:	1032 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:	<ol style="list-style-type: none"> 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_010609.2 , NP_034739.2
RefSeq Size:	1146 bp
RefSeq ORF:	1032 bp
Locus ID:	16530
UniProt ID:	Q9Z2T1
Cytogenetics:	19 A
Gene Summary:	<p>Probable potassium channel subunit. No channel activity observed in vitro as protein remains in the endoplasmic reticulum. May need to associate with an as yet unknown partner in order to reach the plasma membrane.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a). COMPLETENESS: complete on the 3' end.</p>