

Product datasheet for **MR225518**

Kctd8 (NM_175519) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kctd8 (NM_175519) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kctd8
Synonyms:	A730087N02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR225518 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGCTCTGAAGGACACGGGCAGCGCGGCAGCACCATCCTCCCGATCAGCGAGATGGTGTCCGCGTCCA
 GCTCTCCCGGCGCTCCGCTGGCCGCCGCCCGGGGCCCTGCGCCCGTCGCCCTTCCCGAGGTAGTGGA
 GCTGAATGTTGGCGGCCAGGTTTATGTGACCAAGCATTGACGTTACTCAGCGTCCCGGACAGCACTCTG
 GCCAGCATGTTCTCACCCTCTAGTCCCCGGGGCGCGCTAGGCGCGGGGCGACTTGCCAGGGACAGCC
 GCGCGCGCTTCTTCATCGACCGGACGGCTTCTCTTTAGGTACGTGCTGGATTACCTGCGCGACAAGCA
 GCTGGCACTGCCGAGCACTTTCCCGAGAAGGAGAGGCTCTGCGCAAGCAGAGTTCTTTACGCTCACC
 GACCTGGTCAAGCTGCTGTGCGCCAAGGTACCAAGCAGAACTCGCTCAACGATGAGTGTGCCAGAGCG
 ACCTGGAGGACAACGTTTCCAGGGCAGCAGCGACGCACTGCTGCTGCGTGGGGCGGCGGCTGGCGCGCC
 CTCGGGCTCTGGGCACATGGTGTGAGTGGTGTAGTCGGTGGTGGCAGCGCTCCGACAAGCGCTCTGGG
 TTCTCTACCCCTGGGCTACCGTGGCTCTTACACCACGGTGCAGATAAACCAGGCAGATGCCAAGTTACGGC
 GTGTGGCGCGCATCATGGTGTGTGGGCGCATAGCCTTGCCCAAGGAGGTCTTTGGGGACACTCTTAATGA
 GAGTCGCGACCCGTGACCGTCAGCCTGAGAAGTACACATCCCGCTTCTACCTCAAGTTACCTACTTGGAG
 CAGGCGTTCGATCGACTGTCTGAGGCGGCTTCCACATGGTGGCGTGCAACTCCTCTGGCACTGCCGCT
 TTGTCAACCAGTACCGAGACGACAAGATCTGGAGCAGTTACACTGAATACATCTTCTCCGACCCTCA
 GAAATAGTGTACCCCAAGCAAGAATGAAGACAGGAAACGCGACAAAGTCACAGACAAGGAAGTGAG
 AGTGGGACTTCTGCAATGAGCTCTCCACATCCAGCTGTGACAGCACTCAGAGGCCAGCACTCCACAGG
 ACAACCCAGCCAACACTCAGCAGGCTGCAGCTCACCAGCCTAACACCTTAACCTTGATAGACCTCCAG
 GAAAGCACCTGTTCACTGGATGCCACCACAGACAAGCGCAGAAACAGTGAAGTCTTTCACTCACTCATC
 AGCAAGTCCCGAGAAACAAATCTCTCAAAAAAGAGGTCTGTGAGAAGCTAAGTGTAGAAGAAGAAATGA
 AAAAGTGTATTAGGATTTTAAAAAATCCATATTCCAGATTGTTTTCCAGAGCGCAAACGCCAGTGGCA
 ATCTGAAGTCTCTCAAAAAATATGGTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR225518 protein sequence
 Red=Cloning site Green=Tags(s)

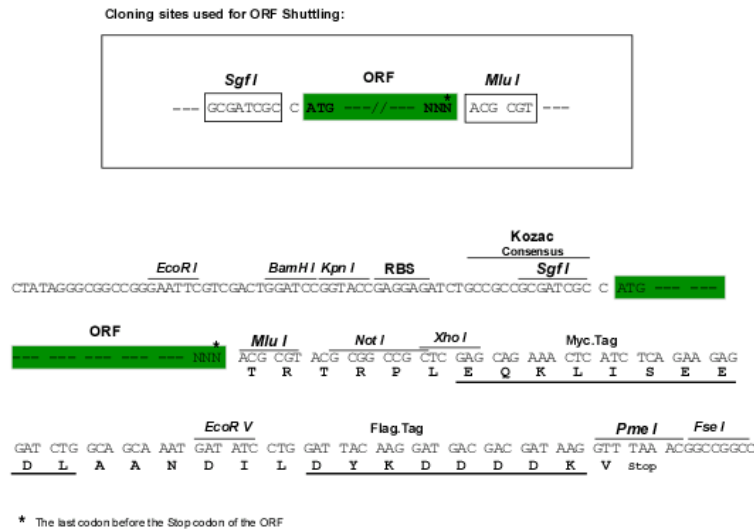
MALKDTGSGGSTILPISEMVSASSSPGAPLAAAPGPCAPSPFPEVVVLNVGGQVYVTKHSTLLSVPDSTL
 ASMFSPSSPRGGARRRGDLPRDSRARFFIDRDGFLFRYVLDYLRDKQLALPEHFPEKERLLREAEFFQLT
 DLVKLLSPKVTKQNSLNDECCQSDLEDNVSQSSDALLRGAAAGAPSGSGAHGVSGVVGGSAPDKRSG
 FLTLGYRGSYTTVRDNQADAKFRRVARIMVCGRIALAKEVFGDTLNE SRDPDRQPEKYTSRYLKFITYLE
 QAFDRLSEAGFHMVACNSSGTAAFVNQYRDKIWSSYTEYIFFRPPQKIVSPKQEHEDRKDKVTDKSGSE
 SGTSCNELSTSSCDHSEASTPQDNPAANTQAAAHPNTLTLDPRSRKAPVQWMPDPDKRRNSELFQSLI
 SKSRETNLSKKKVCEKLSVEEEMKKCIQDFKKIHIPDCFPERKRQWQSELLQKYGL

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_175519

ORF Size: 1428 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.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_175519.5](#), [NP_780728.3](#)

RefSeq Size: 2889 bp

RefSeq ORF: 1431 bp

Locus ID: 243043

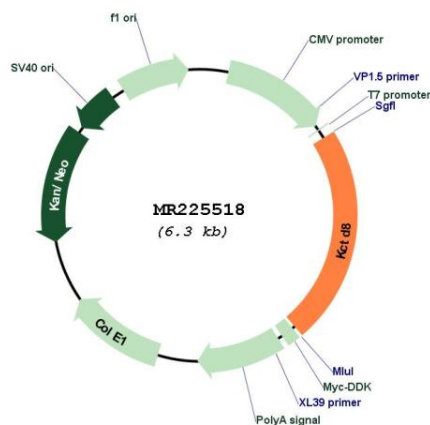
UniProt ID: [Q50H33](#)

Cytogenetics: 5 C3.1

MW: 52.8 kDa

Gene Summary: Auxiliary subunit of GABA-B receptors that determine the pharmacology and kinetics of the receptor response. Increases agonist potency and markedly alter the G-protein signaling of the receptors by accelerating onset and promoting desensitization.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225518