

Product datasheet for **MR225601**

Kcmf1 (NM_019715) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kcmf1 (NM_019715) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Kcmf1
Synonyms: 1700094M07Rik; Debt91; Pmcf
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR225601 representing NM_019715
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTC**CCGACATGAAGGTGTCAGCTGTGATGCATGTTTAAAAGGAAATTTTCGAGGTCGCAGATATAAGT**
GTTTAATTTGCTACGATTACGATCTTTGTGCATCTTGTATGAAAGCGGGCAACGACAACAAGGCATAC
AACTGACCACCCGATGCAGTGCATATTAACAAGGGTAGACTTTGATTTGACTATGGTGGGAAGCTTTC
TCTGTAGAGCAGCCACAGTCTTTACTTGTCCCTATTGTGAAAAATGGCTACACGAAACATCTCTTC
AAGAACATGTTACTTCTGAACACGCAGAAACATCAACAGAAGTGATTTGCCATATGTGCAGCGTTACC
TGGAGGAGATCCTAATCATGTCACAGATGACTTTGCAGCTCATCTGACACTTGAACACAGAGCCCTAGA
GATTTAGATGAATCGAGTGGTGTTCGACATGTACGTAGAATGTTTCACCTGGGCGGGGCTAGGAGGCC
CTCGTGTCTCGGAGATCAAACATGCACCTTACTAGCAGTCTACTGGTGGACTCTCTTCTCAGAGTTC
ATACTCTCCAAGCAGTAGGGAAGCCATGGATCCTATAGCTGAGCTGTTATCTCAGTTATCAGGAGTGAGA
CGTTCTGCAGGGGACAGCTTAACCTCTCAGGCCCTCCGCTTCTCAGTTGCAACAACGAGATGCAGC
TGCAGCTTGAGCGACAGCATGCACAGGCAGCCCGCAACAACGGAGACTGCTCGCAACGCAAGTCGGCG
CACTAACACAAGCAGCGTCACCACTACGATCACACAGGCCACGGCCACAGCCAACACAGCCAACACAGAG
AACAGCCCGCAGGCCCTCCACAACCTCCAGTTCCTGTTAAACAGGTTGAATGATCCCAAAATGTCTGAAG
CAGAGCGCCAGTCCATGGAGAGCGAGCGTGCGGACCGCAGCCTGTTTGTCCAGGAGCTCCTTCTTCCAC
GTTAGTGCAGCAAGAGAGCTCGTCTCAGATGAGGATGATCGGGGGAGATGGCAGATTTTGGTGTATG
GGCTGTGTAGATATTAGCCTTTAGATGTTGCTTTAGAAAACCTAAATTTAAAAGAGAGTAATAAAGGAA
ATGAGCCTCCACCACCTCCTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR225601 representing NM_019715
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MSRHEGVSCDACLKGNFRGRYKCLICYDYDLCASCYESGATTTTRHTTDHPMQCILTRVDFDLYYGGAEF
 SVEQPQSFTCPYCGKMGYTETSLQEHVTSSEAETSTEVICPICAALPGGDPNHVTDDFAAHLTLEHRAPR
 DLDESSGVRHVRMFHPGRGLGGPRARRSNMHFTSSSTGGLSSSQSSYSPSSREAMDPIAELLSQLSGVR
 RSAGGQLNSSGSPASQLQQLQMLQLERQHAQAARQQLLETARNASRRNTSSVTTTITQATATANTANTE
 NSPQALHNSQFLLTRLNDPKMSEAEQSMESERADRSLFVQELLLSTLVREESSSDEDDRGEMADFGAM
 GCVDIMPLDVALENLNLKESNKGNEPPPPPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9034_g12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_019715

ORF Size: 1143 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.

RefSeq: [NM_019715.2](#), [NP_062689.2](#)

RefSeq Size: 3251 bp

RefSeq ORF: 1146 bp

Locus ID: 74287

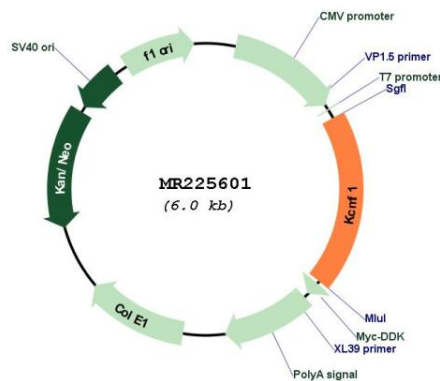
UniProt ID: [Q80UY2](#)

Cytogenetics: 6 32.3 cM

MW: 42.2 kDa

Gene Summary: Has intrinsic E3 ubiquitin ligase activity and promotes ubiquitination.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225601