

Product datasheet for **MG225601**

Kcmf1 (NM_019715) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcmf1 (NM_019715) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Kcmf1
Synonyms:	1700094M07Rik; Debt91; Pmcf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225601 representing NM_019715 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTC**CCGACATGAAGGTGTCAGCTGTGATGCATGTTTAAAAGGAAATTTTCGAGGTCGCAGATATAAGT**
GTTTAATTTGCTACGATTACGATCTTTGTGCATCTTGTTATGAAAGCGGGCAACGACAACAAGGCATAC
AACTGACCACCCGATGCAGTGCATATTAACAAGGGTAGACTTTGATTTGACTATGGTGGGAAGCTTTC
TCTGTAGAGCAGCCACAGTCTTTACTTGTCCCTATTGTGAAAAATGGGCTACACGAAACATCTCTTC
AAGAACATGTTACTTCTGAACACGCAGAAACATCAACAGAAGTGATTTGCCATATGTGCAGCGTTACC
TGGAGGAGATCCTAATCATGTCACAGATGACTTTGCAGCTCATCTGACACTTGAACACAGAGCCCTAGA
GATTTAGATGAATCGAGTGGTGTTCGACATGTACGTAGAATGTTTCACCTGGGCGGGGCTAGGAGGCC
CTCGTGTCTCGGAGATCAAACATGCACCTTACTAGCAGTCTACTGGTGGACTCTCTTCTCAGAGTTC
ATACTCTCCAAGCAGTAGGGAAGCCATGGATCCTATAGCTGAGCTGTTATCTCAGTTATCAGGAGTGAGA
CGTTCTGCAGGGGACAGCTTAACCTCTCAGGCCCTCCGCTTCTCAGTTGCAACAACAGCAGATGCAGC
TGCAGCTTGAGCGACAGCATGCACAGGCAGCCCGCAACAACAGGAGACTGCTCGCAACGCAAGTCGGCG
CACTAACACAAGCAGCGTCACCACTACGATCACACAGGCCACGGCCACAGCCAACACAGCCAACACAGAG
AACAGCCCGCAGGCCCTCCACAACCTCCAGTTCCTGTTAAACAGGTTGAATGATCCCAAAATGTCTGAAG
CAGAGCGCCAGTCCATGGAGAGCGAGCGTGCGGACCGCAGCCTGTTTGTCCAGGAGCTCCTTCTCCAC
GTTAGTGCGCGAAGAGAGCTCGTCTCAGATGAGGATGATCGGGGGAGATGGCAGATTTTGGTGTATG
GGCTGTGTAGATATTATGCCTTTAGATGTTGCTTTAGAAAACCTAAATTTAAAAGAGAGTAATAAAGGAA
ATGAGCCTCCACCACCTCCTCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG225601 representing NM_019715
 Red=Cloning site Green=Tags(s)

```
MSRHEGVSCDACLKGNFRGRYKCLICYDYDLCA SCYEGATTTRHTTDHPMQCILTRVDFLYYGG EAF
SVEQPQSFTCPYCGKMGYTETSLQEHV TSEHAETSTEVICPICAALPGGDPNHVTD DFFAAHLTLEHRAPR
DLDESSGVRHVRMFHPGRGLGGPRARRSNMHFTSSSTGGLSSSQSSYSPSSREAMDPIAELLSQLSGVR
RSAGGQLNSSGSPASQLQQLQMQLQLERQHAQAARQQL ETARNASRRNTSSVTTTITQATATANTANTE
NSPQALHNSQFLLTRLNDPKMSEAEERQSMESERADRS LFVQELLLSTLVREESSSDEDDRGEMADFGAM
GCVDIMPLDVALENLNLKESNKGNEPPPPPL
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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

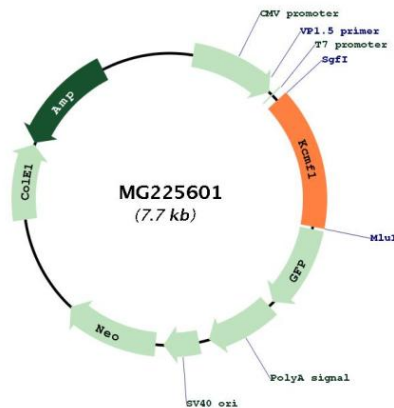
Locus ID: 74287

UniProt ID: [Q80UY2](#)

Cytogenetics: 6 32.3 cM

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

Product images:



Circular map for MG225601