

## Product datasheet for **MG220637**

### **Krt80 (NM\_028770) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Krt80 (NM_028770) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Krt80
Synonyms:	1200016G03Rik; 2310041I20Rik; Kb20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG220637 representing NM\_028770  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCTACCGCTCCTGCGTCGTTGGCTTCAGCAGCCTCAGCGGCTGTGAGATGACCCCTCGCGGCAGTC  
 CCCAGCCTGGGACCTCAGGATGGGGCAGCTGTGGGCTCCCTGGGCTGGCTTCAGCTCTCGAAGCCTCAC  
 AAGCTGCAGGCCAGCTGGCACCATCCCCAAGGTGACTGTGAACCCAGCCTGCTGGTGCCTCTGGACCTC  
 AAGGTGGATCCAGCTGTTCAACAGCAGAAGAATCAAGAAAAGGAGGAGATGAAGGCTCTCAATGATAAAT  
 TTGCTCCCTGATTGGCAAGGTCCAAGCTCTGGAGCAACGCAACCAACTGCTGGAGACCCGATGGAGCTT  
 CCTGCAGGGCCAGGGATCAGCCACCTTCGACCTCAGCCACCATTATGAGACATTCAGGGCCGGCTGCAG  
 GAGGAGCTTCGTAAGTGAGCCAAGAGCGGGACAGCTGGAGGCCAACCTGTTGCAGGTGTAGAGAAGG  
 TGGAGGAGTTTCGCGTCAGGTATGAGGACGAGATCTCCAAGCGCACAGACCTGGAGTTTACCTTTGTCCA  
 GCTGAAGAAGGACCTGGATGCTGAGTGTCTCCGAAGAAGTGAAGTGAACCAAACTGAAGGGCCTGCAG  
 GGCTTCTAGAGCTGATGAGAACAGTCTATGAGCAGGAGCTGAAAGACCTTACAGCCCAAGTGAAGGACG  
 TGCTGTGACTGTGGCCTGGACAGCCGCTGCCACATCGACCTGAGCGGCATCGTGGAGGAAGTGAAGGC  
 CCAGTATGACGCCATCGCTGCTCGAAGCCTGGAGGAGGCTGAAGCATATTCACGGAGCCAGCTTGAGGAG  
 CGAGCTGCCCGCTCAGCGGAGTTCGGGAACAGCCTCCAAGCAGCCGCTGTGAGATTGCAGACCTCAACG  
 TGCGCATCCAGAAGTGCAGTCTCAGATCGTCTCCGTCAAGAGCCATTGCCTAAAAGTGGAGGAGAACAT  
 CAAGGTGGCTGAGGAGCAAGGAGAACTGGCCTTCCAGGACGCCAAGGACAAGATGGCCAGCTGGAGAAT  
 GCCCTGCAGAAGGCCAAGCAGGACATGGCCCGGAGTTGCGCGAGTATCAGGATCTCATGAACACCAAGC  
 TGGCTCTGGACATAGAGATAGCCACCTACCACAAGCTGATGGAAGGAGAAGAAAGCCGGATGGACCTGCC  
 TTCTGCCACTGTGGTCAGTACTGTGAAATCTGGATGCAGAACCACTGCCTCCAAGTCTGGCCTCACCAAG  
 ACCTCCTCCCGAAGAAGAAGAACCCGAGAGGCCAGTATCAAGATCACTGAGATGTCAGAGAAATATC  
 TCTCCAGGAATCAGAGGCCCTCAGAG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG220637 representing NM\_028770  
 Red=Cloning site Green=Tags(s)

MAYRSCVVGFFSSLGCEMTPAGSPQPGTSGWGSCLPGPGFSSRSLTSCRPAAGTIPKVTVNPSLLVPLDL  
 KVDPAVQQKNQEKEEMKALNDKFASLIGKVQALEQRNQLLETRWSFLQGQGSATFDLSHHYETFQGRLO  
 EELRKVSQERGLLEANLLQVLEKVEEFVRYEDEISKRTDLEFTFVQLKKDLDAECLRRTELETKLKLQ  
 GFLELMRTVYEQELKDLTAQVKDVSVTVGLDSRCHIDLSGIVEEVKAQYDAIAARSLEEAAYRSQLEE  
 RAARSAEFGNSLQSSRCEIADLVRIQKLRISQIVSVKSHCLKLEENIKVAEEQGELAFQDAKDKMAQLEN  
 ALQKAKQDMARQLREYQDLMNTKLALDIEIATYHKLMEGEESRMDLPSATVVSTVKSGCRRTASKSGLTK  
 TSSRKKKNRRGPVIKITEMSEKYLSESEASE

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_028770

**ORF Size:** 1356 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\\_028770.3](#)

**RefSeq Size:** 1774 bp

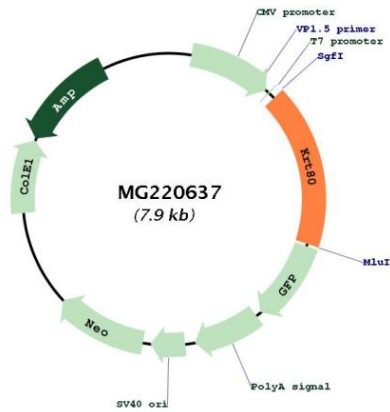
**RefSeq ORF:** 1359 bp

**Locus ID:** 74127

**UniProt ID:** [Q0VBK2](#)

**Cytogenetics:** 15

Product images:



Circular map for MG220637