

## Product datasheet for **MG222871**

### Krt17 (NM\_010663) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Krt17 (NM_010663) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Krt17
Synonyms:	K17; Krt1-1; Krt1-17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG222871 representing NM_010663 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCACCACCATCCGCCAGTTTACCTCCTCCAGCTCTATCAAGGGCTCCTCTGGCCTGGGTGGAGGTT  
CATCTCGGACCTCTGCCGACTGTCTGGCAGCTGGGTGCAGGCTCCTGCAGGCTGGGGTGCAGTGTGG  
CCTGGGTAGTGCTCTTGGGAGCAACAGTTATTCCAGCTGCTACAGCTTTGGCACTGGCAGTGGTTATGGA  
GGCAACTTTGGGGTGTGATGGGCTGCTGGCTGGAGGGGAGAAGGCCACCATGCAGAACCTCAATGACC  
GCCTGGCCTCCTACCTGGACAAGGTGCGTGCCCTGGAAGAGGCCAACACTGAGCTGGAGGTGAAGATCCG  
AGATTGGTACCAGAAGCAGGCCCGGGCCAGCCAGAGACTACAGCGCTTATTACCATACCATGAGGAT  
CTGAAGAACAAGATCCTTGTGGCCACCGTGGACAATGCCAGCATCCTGCTCCAGATTGACAATGCTCGTC  
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CAATGGCCTGCGCCGGGTGCTGGATGAGCTGACCTGGCCAGAGCCGACCTGGAGATGCAGATTGAGAA  
CTCAAGGAGGAGCTGGCCTACCTGAAGAAGAACCAGGAGGAGATGAATGCTCTGAGAGGCCAGGTGG  
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TGATCAGTACGAGAAGATGGCGGAGAAGAACCGAAGGATGCCGAAGACTGGTTCTTTCAGCAAGACCGAG  
GAGCTGAACCGGAGGTGGCCACCAACAGCGAGCTGGTGCAGAGCGGCAAGAGCGAGATCTCCGAGCTCA  
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CCTGGCAGAGACAGAGAACCCTACTGCGTGCAGCTGTCTCAGATCCAGGGGCTGATCGGCAGTGTGGAG  
GAGCAGCTGGCTCAGCTGCGCTGCGAGATGGAGCAGCAGAACCAGGAGTACAAGATCCTGCTGGATGTGA  
AGACAAGGCTGGAGCAGGAGATCGCCACCTACCGCGTCTGCTGGAGGGAGAGGATGCCACCTGACTCA  
GTACAAGCAAAAGAACCTGTGACCACCCGCCAGGTGCGCACCATTGTGGAAGAAGTTTCAGGATGGCAAG  
GTCATCTCATCCCGGAACAGGTGCACCAGACCACCCGT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG222871 representing NM\_010663  
 Red=Cloning site Green=Tags(s)

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MTTIRQFTSSSIKSSGLGGSSRTSRLSGSLGAGSCLGSASGLGSALGSNSYSSCYSGTSGY
GNFGVDLLAGGEKATMQLNDRLASYLDKVRALAEANLEVKIRDWYKQAPGPARDYSAYHTIED
LKNKILVATVDNASILLQIDNARLAADDFRTKFETEALRMSVEADINGLRRVLDLTLARADLEMQIEN
LKEELAYLKKNHEEEMNALRGQVGEINVEMDAAPGVDLSRILSEMRDQYEKMAEKNRKAEDWFFSKTE
ELNREVATNSELVQSGKSEISELRRTMQALEIELQSQLSMKASLEGSLAETENRYCVQLSQIQGLIGSVE
EQLAQLRCEMEQQNQEYKILLDVKTRLEQEIATYRRLLEGEDAHLTQYKPKPEVTTTRQVRTIVEEVQDGK
VISSREQVHQTRR
  
```

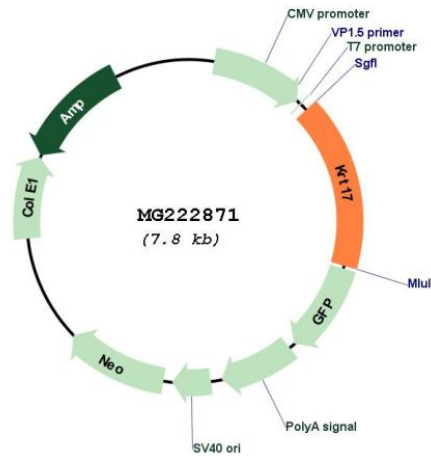
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_010663

<b>ORF Size:</b>	1299 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_010663.3</a> , <a href="#">NP_034793.1</a>
<b>RefSeq Size:</b>	1532 bp
<b>RefSeq ORF:</b>	1302 bp
<b>Locus ID:</b>	16667
<b>UniProt ID:</b>	<a href="#">Q9QWL7</a>
<b>Cytogenetics:</b>	11 63.44 cM
<b>Gene Summary:</b>	The protein encoded by this gene is a member of the type I keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The encoded protein is a cytokeratin required for the normal growth of hair follicles and may act in psoriasis as an immunopathogenic autoantigen. [provided by RefSeq, Sep 2015]