

## Product datasheet for **MG203630**

### Cutc (BC026775) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cutc (BC026775) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cutc
Synonyms:	2310039I18Rik; AI326282; CGI-32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203630 representing BC026775 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGAAAGGGGCTTCTTGCGAGCGGAAACAGGCGTGGATATCGTCGGGGAAGGCGGGAGCAGGAAATG  
GATTTCTTATGGAAGTGTGTGTAGATTCGGTGGAGTCCGCTGTGAATGCAGAAAGAGGAGGTGCTGGTCCG  
GATTGAACTGTGCTCTGGTCTACTGGAGGGAGGAACACACCCAGTATGGGTGTTCTTCAAGTAGTAAAA  
CAGAGTGTTCAGATCCCAGTGTGTTGTGATGATCCGCCACGCGGAGGCGACTTCTTATACTCCGACCGTG  
AAGTTGAGGTGATGAAGGCTGACATTCGCCTTGCCAAGCTTTATGGTGCCGATGGTTTGGTGTGGGGC  
ATTGACTGAAGATGGACACATTGACAAAGAGCTATGCTTGTCTCTGTAGCTCTTGCCGCCCTCTGCCG  
GTCACTTTCCACAGAGCCTTTGATATGGTTCATGATCCAATGGCAGCTCTGGAGACCCTCTAACCTTAG  
GATTTGAACGCGTCTGACCAAGTGGATGCGACAGCTCAGCACTGGAAGGACTGCCTCTAATAAAGCAACT  
CATAGACCAGGCAAAAGGAGGATTGTGGTAATGCCAGGAGGTGGAATAACAGATAAAAACTGCAAGG  
ATCCTTGAGGTTCCGGTGTACAGAATCCACTGCTCTGCCGATCTCCAGAGACTCAGGAATGAAGT  
TTCGAAATTCCTGTGCAATGGGAGCTTCGCTTGTCTCATTGAGAAATTTCTCTAAAGGTAACAGATGT  
GACAAAAGTAAGGACTTTGAATGCAATTGCAAAGGACGTCCTAGT

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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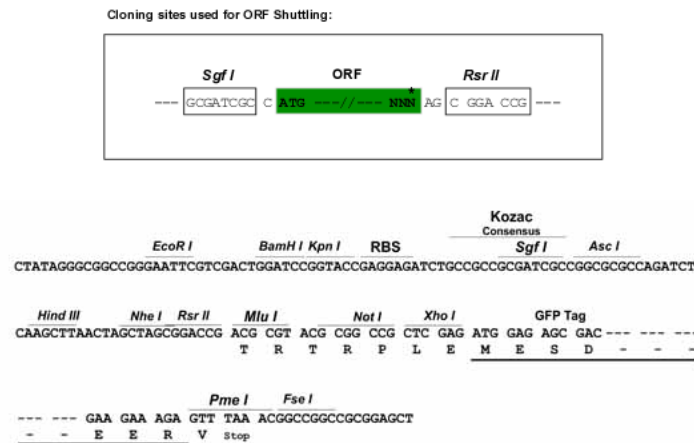
**Protein Sequence:** >MG203630 representing BC026775  
 Red=Cloning site Green=Tags(s)

MKKGASCKERQAWISSGKAGAGNGFLMEVCVDSVESAVNAERGGAGRIELCSGLLEGGTTPSMGVLQVVK  
 QSVQIPVFVMIRPRGGDFLYSDREVEVMKADIRLAKLYGADGLVFGALTEDGHIDKELCLSLVALCRPLP  
 VTFHRAFDMVHDPMAALETLLTLGFERVLTSGCDSSALEGLPLIKQLIDQAKGRIIVMPPGGITDKNLQR  
 ILEGSGATEFHCSARSSRDSGMKFRNSSVAMGASLAHSEYSLKVTDVTKVRTLNAIAKDVLV

SGPTRRRLE - GFP Tag - V

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**ACCN:** BC026775

**ORF Size:** 818 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:** [BC026775](#), [AAH26775](#)

**RefSeq Size:** 1241 bp

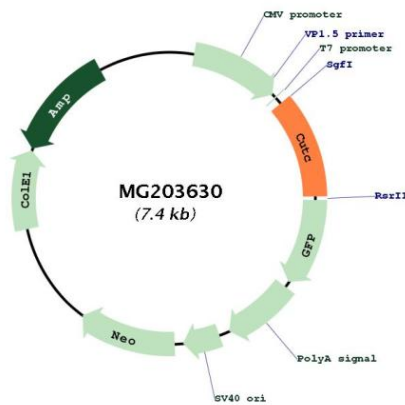
**RefSeq ORF:** 818 bp

**Locus ID:** 66388

**Cytogenetics:** 19 C3

**Gene Summary:** May play a role in copper homeostasis. Can bind one Cu(1+) per subunit (By similarity). [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG203630