

Product datasheet for **MG202621**

Commd5 (NM_025536) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Commd5 (NM_025536) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Commd5
Synonyms:	2310065H03Rik; AI854466; D15Ertd81e; Hcarg
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202621 representing NM_025536 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGCGTTGGGGCTCCGGCTCCATACTTACACCATCCAACGACAGTCACAGCGGCCGGTCAAGT
TCCTGGGTTCCCAGCCCTCTGCAGAAAGTACGGCAGTGGCTCAGCTCTTGAAGGACTTAGACAGAAGCAC
CTTCAGAAAGTTGTTGAAACTCGTAGTCGGGGCCCTCCATGGGAAAGACTGCAGAGAGGCCGTGCAGCAC
CTTGGTCCAGCGCCAACCTGTAGAGGAGCGTCTGGCCGTCCTGCTGGCGGGCACACACCCTGTCC
AGCAGGCTCTCCGGCTGCCCCCTGCCAGTCTGAAACCAGATGCCTTCCAGGACGAACTCCAGGAAGTTGG
CATTCCCCAAGATATGATTGGAGATCTGGCCAGTTTGGCATTGGGAGTCAACGCCCTCTTCTCGACTCT
GTAGCCAGCAGCAGGGATCCTCGCTGCCTCGTGTGTCAAATTTCCGGTGGCGGGTGGATGTGGCCATCT
CAACCAGTGCTCAGTCCCCTGCCAGTGTCTCATGCAGTGAAGCTCACAGATGGATCGGC
ACACCGCTTCGAGGTGCCATAGCCAAATTCAGGAGCTGCGCTACAGCGTGGCGTTGGTCTTAAGGAG
ATGGCAGAGCTGGAGAGGAAGTGTGAGCGCAAACCTGCAGGAC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202621 representing NM_025536
Red=Cloning site Green=Tags(s)

MSALGAPAPYLHHPTDSHSGRVSFLGSQPSAEVTAVALLLKDLDRSTFRKLLKL VVGALHGKDCREAVQH
 LGASANLSEERLAVLLAGTHTLLQALRLPPASLKPDAFQDELQELGIPQDMIGDLASLAFGSQRPLDLS
 VAQQQSSSLPRVSNFRWRVDVAISTSAQSRSLQPSVLMQLKLTGSAHRFEVPIAKFQELRYSVALVLKE
 MAELERK CERKLQD

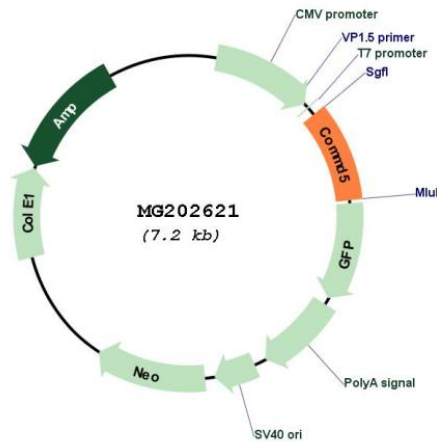
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_025536

ORF Size: 672 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:	<ol style="list-style-type: none">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_025536.1 , NP_079812.1
RefSeq Size:	999 bp
RefSeq ORF:	675 bp
Locus ID:	66398
UniProt ID:	Q8R395
Cytogenetics:	15 36.28 cM
Gene Summary:	May modulate activity of cullin-RING E3 ubiquitin ligase (CRL) complexes. Negatively regulates cell proliferation. Negatively regulates cell cycle G2/M phase transition probably by transactivating p21/CDKN1A through the p53/TP53-independent signaling pathway. Involved in kidney proximal tubule morphogenesis. Down-regulates activation of NF-kappa-B. [UniProtKB/Swiss-Prot Function]