

Product datasheet for **RG205614**

COMMD1 (NM_152516) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	COMMD1
Synonyms:	C2orf5; MURRI
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG205614 representing NM_152516
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGGCGGCGAGCTTGAGGGTGGCAAACCCCTGAGCGGGCTGCTGAATGCGCTGGCCCAGGACACTT
TCCACGGGTACCCCGGCATCACAGAGGAGCTGCTACGGAGCCAGCTATATCCAGAGGTGCCACCCGAGGA
GTTCCGCCCTTTCTGGCAAAGATGAGGGGATTCTTAAGTCTATTGCGTCTGCAGACATGGATTTCAC
CAGCTGGAGGCATTCTTGACTGCTCAAACCAAAAGCAAGGTGGGATCACATCTGACCAAGCTGCTGTCA
TTTCCAAATTCTGGAAGAGCCACAAGACAAAAATCCGTGAGAGCCTCATGAACAGAGCCGCTGGAATAG
CGGGCTTCGGGGCCTGAGCTGGAGAGTTGATGGCAAGTCTCAGTCAAGGCACTCAGCTCAAATACACACA
CCTGTTGCCATTATAGAGCTGGAATTAGGCAATATGGACAGGAATCTGAATTTCTGTGTTTGAATTTG
ACGAGGTCAAAGTCAACCAAAATCTGAAGACGCTGTCAGAGGTAGAAGAAAGTATCAGCACACTGATCAG
CCAGCCTAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205614 representing NM_152516
Red=Cloning site Green=Tags(s)

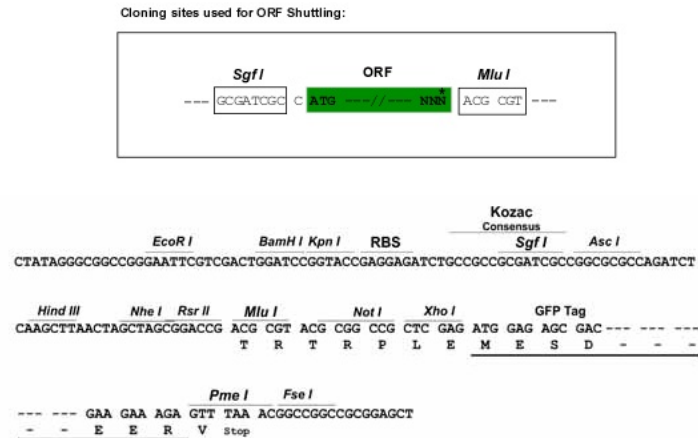
MAAGELEGGKPLSGLLNALAQDTFHGYPGITEELLRSQLYPEVPPEEFRPFLAKMRGILKSIASADMDFN
QLEAFLTAQTKKQGGITSDQAAVISKFWKSHKTIRESLMNQSRWNSGLRGLSWRVDGKSQSRHSAQIHT
PVAIIIELELGKYGQSEFLCLEFDEVKNQILKTLSEVEESISTLISQPN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_152516

ORF Size: 570 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.

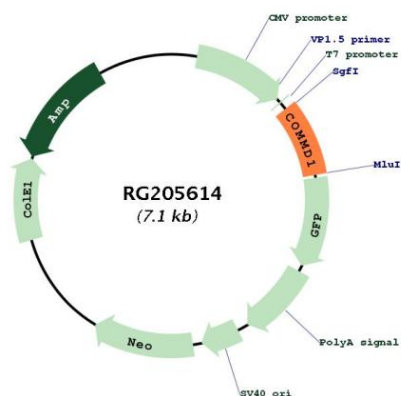
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_152516.1](#)

RefSeq Size: 725 bp

RefSeq ORF:	573 bp
Locus ID:	150684
UniProt ID:	Q8N668
Cytogenetics:	2p15
Gene Summary:	COMMD1 is a regulator of copper homeostasis, sodium uptake, and NF-kappa-B (see MIM 164011) signaling (de Bie et al., 2005 [PubMed 16267171]).[supplied by OMIM, Sep 2009]

Product images:



Circular map for RG205614