

Product datasheet for **SC108830**

COMMD5 (NM_014066) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COMMD5 (NM_014066) Human Untagged Clone
Tag:	Tag Free
Symbol:	COMMD5
Synonyms:	HCARG; HT002
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108830 sequence for NM_014066 edited (data generated by NextGen Sequencing)

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ATGTCGTGCTGTGGGGCTGCAACTCCATACCTGCATCATCTGGTGATAGTCACAGTGGC
CGAGTGAGTTTCTTGGGGGCCAGCTTCTCCAGAGGTGGCAGCAATGGCCCGGCTACTA
GGGGACCTAGACAGGAGCACGTTTCAGAAAGTTGCTGAAGTTTGTGGTCAGCAGCCTGCAG
GGGGAGGACTGCCGAGAGGCTGTGCAGCGTCTTGGGGTCAGCGCCAACCTGCCGGAGGAG
CAGCTGGGTGCCCTGCTGGCAGGCATGCACACACTGCTCCAGCAGGCCCTCCGTCTGCC
CCCACCAGCCTGAAGCCTGACACCTTCAGGGACCAGCTCCAGGAGCTCTGCATCCCCAA
GACCTGGTCGGGGACTTGGCCAGCGTGGTATTTGGGAGCCAGCGGCCCTCCTTGATTCT
GTGGCCCAGCAGCAGGGGCCTGGCTGCCGCATGTTGCTGACTTTCGGTGCGGGTGGAT
GTAGCAATCTCCACCAGTGCCCTGGCTCGCTCCCTGCAGCCGAGCGTCTGATGCAGCTG
AAGCTTTTCAGATGGGTACAGCATACCGCTTTGAGGTCCCCACAGCCAAGTTCAGGAGCTG
CGGTACAGCGTGGCCCTGGTCTAAAGGAGATGGCAGATCTGGAGAAGAGGTGTGAGCGC
AGACTGCAGGACTGA
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Clone variation with respect to NM_014066.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_014066 unedited GAGGCGGGGACCAGGCCCGCTTTTGGCTGCATCAGCCGGGGATTGCCGGCGCCAGGTGCT GGGGGCGACTCGGACAGCGGGAGCGTGGGGTGGAGTAGGATGGAGTCTCCCTTCCCGAGC TGGGGGTGTGGGCTAGGAAAGGCTGCTTCGCCGCTGTGTTCCGGAGAGCTCTGGATACTG CGGGGCTTTTCCGCGGAGGAGCGCCCGCCGCATCTGCATCTGGGACCGACCTCCTGGGC TGGCTGAATCAAAGAGGAAGCAGCAGCAATGTCTGCTGTGGGGGCTGCAACTCCATACC TGCATCATCCTGGTGATAGTCACAGTGGCCGAGTGAGTTTCTTGGGGGCCAGCTTCCTC CAGAGGTGGCAGCAATGGCCCGCTACTAGGGGAAGTACAGAGGAGCAGTTTCAGAAAGT TGCTGAAGTTTGTGGTACGACGCTGCAGGGGAGGAATGCCAGAGGCTGTGCAGCGTC TTGGGGTCAAGCCAACTGCCGGAGAACAGCTGGGTGCCCTGCTGGCAGGCATGCACA CACTGCTCCAG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_014066 unedited TCTATGGACCGGGCGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTGT TGCTTTACTTCCAAAAAGAAAAAAGCATAGCTCTCTTTTTTCAATTAAACAGAAAAC ATAATTACGTTCAAACACTCACTGAAGAGCCTGCCTCATGGAAAGGGCAGGGCTGTCGTG GGAAGAGTCAGCTGCACTTTGGCACCATCTCAGGGTGCCTTGGTCCAAGCCGGATCTGAA TGGGACTGGTCAAGTGAGGGGTGAGTCTGCACTGCGCTCACACCTCTTCTCCAGATC TGCCATCTCCTTTAGGACCAGGGCCACGCTGTACCGCAGCTCCTGGAACCTGGCTGTGGG GACCTCAAAGCGGTATGCTGACCATCTGAAAGCTTCAGCTGCATCAGGACGCTCGGCTG CANGGAGCGAGCCANGGCACTGGTGGAGATTGCTACATCCACCCGCCACCGAAAGTCAGC AACATGCGGCAGCCAGGCCCTGCTGCTGGGCCACAGAATCAAGGAGGGGCCGCTGGCT CCCAATACCACGCTGGCCAAGTCCCGACCGAGTCTTGGGGATGCAGAGCTCCTGGAGC TGGTCCCTGANAGTGTCAGGCTTCAGGCTGGTGGGGGACANACGGAGGGCCTGCTGGAGC ANTGTGTGCATGCCTGCCANCAGGGCACCCAGCTGCTCCTCCGGCAGGTTGGCGTGACC CCAGACGCTGACAGCCTCTCGGAGTTCTTCCCCTGGAAGCTGTTGACCACAACCTTACAA CTTTTTGAACGGCTCCTGCTAGGCCCTATAACCGGCCATTGCTGCCCTTTGGAGA GGGCCCCAGAAACCTTGGGCTGGGACTATACAGATAAGCCGTTGGAATTAACCCCAA CAGAATGGTGTGTTNCTTTTGTAAAGCACCCAGAGGTGCCAAATCAAGCCGGGGCCTC CTCCGAAACCCCAAT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_014066
Insert Size:	1200 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_014066.2, NP_054785.2</u>
RefSeq Size:	3112 bp
RefSeq ORF:	675 bp
Locus ID:	28991
UniProt ID:	<u>Q9GZQ3</u>
Cytogenetics:	8q24.3
Protein Families:	Druggable Genome
Gene Summary:	<p>May modulate activity of cullin-RING E3 ubiquitin ligase (CRL) complexes (PubMed:21778237). 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 (By similarity). Down-regulates activation of NF-kappa-B (PubMed:15799966).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) differs in the 5' UTR, compared to variant 4. Variants 1 through 4 encode the same protein.</p>