

Product datasheet for **SC316686**

COMMD5 (NM_001081003) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COMMD5 (NM_001081003) Human Untagged Clone
Tag:	Tag Free
Symbol:	COMMD5
Synonyms:	HCARG; HT002
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316686 representing NM_001081003. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGTCTGCTGTGGGGGCTGCAACTCCATACCTGCATCATCCTGGTGATAGTCACAGTGGCCGAGTGAGT
TTCTTGGGGGCCAGCTTCTCCAGAGGTGGCAGCAATGGCCCGGCTACTAGGGGACCTAGACAGGAGC
ACGTTCCAGAAAGTTGCTGAAGTTTGTGGTCAGCAGCCTGCAGGGGGAGGACTGCCGAGAGGCTGTGCAG
CGTCTTGGGGTCAGCGCCAACCTGCCGGAGGAGCAGCTGGGTGCCCTGCTGGCAGGCATGCACACACTG
CTCCAGCAGGCCCTCCGCTGCCCGCCACCAGCCTGAAGCCTGACACCTCAGGGACCAGCTCCAGGAG
CTCTGCATCCCCAAGACCTGGTCGGGGACTTGGCCAGCGTGGTATTTGGGAGCCAGCGGCCCTCCTT
GATTCTGTGGCCAGCAGCAGGGGGCTGGCTGCCGCATGTTGCTGACTTTCGGTGGCGGGTGGATGTA
GCAATCTCCACCAGTGCCTGGCTCGCTCCCTGCAGCCGAGCGTCCTGATGCAGCTGAAGCTTTCAGAT
GGGTCCAGCATACCGCTTTGAGGTCCCCACAGCCAAGTTCAGGAGCTGCGGTACAGCGTGGCCCTGGTC
CTAAAGGAGATGGCAGATCTGGAGAAGAGGTGTGAGCGCAGACTGCAGGACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_001081003
Insert Size:	675 bp



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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001081003.2
RefSeq Size:	1453 bp
RefSeq ORF:	675 bp
Locus ID:	28991
UniProt ID:	Q9GZQ3
Cytogenetics:	8q24.3
Protein Families:	Druggable Genome
MW:	24.7 kDa
Gene Summary:	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] Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 4. Variants 1 through 4 encode the same protein.