

Product datasheet for **RG205664**

C20orf11 (GID8) (NM_017896) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C20orf11 (GID8) (NM_017896) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C20orf11
Synonyms:	C20orf11; TWA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205664 representing NM_017896 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTTATGCAGAAAAACCCGATGAAATCACGAAAGATGAGTGGATGGAAAAGCTCAATAACTTGCATG
TCCAGAGAGCAGACATGAACCGCCTCATCATGAACTACCTGGTCACAGAGGGCTTAAAGGAAGCAGCGGA
GAAGTTTCGAATGGAATCTGGAATCGAACCTAGTTGGATCTGGAACACTTGATGAACGAATCAAGATC
CGGGAGATGATACTGAAAGGTCAGATTCAGGAGCCATCGCCTTGATCAACAGCCTCCACCCAGAGCTCT
TGGACACAAACCGGTATCTTTACTTCCATTTGCAGCAACAGCATTGATCGAGCTGATCCGCCAGCGGGA
GACAGAGGCGGCCGCTGGAGTTTGCACAGACTCAGCTGGCGGAGCAGGGCGAGGAGAGCCGAGAGTGCCTC
ACAGAGATGGAGCGTACCTGGCACTGCTGGCCTTTGACAGTCCCAGGAGTCCGCTTCGGAGACCTCC
TCCACACCATGCAGAGGCAGAAGGTGTGGAGTGAAGTTAACCAAGCTGTGCTAGATTATGAAAATCGCGA
GTCAACACCCAACTGGCAAAATTAAGTAACTACTACTTTGGGCTCAGAACGAGCTGGACCAGAAGAAA
GTAAAATATCCCAAAATGACAGACCTCAGCAAGGGTGTGATTGAGGAGCCCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG205664 representing NM_017896
 Red=Cloning site Green=Tags(s)

MSYAEKPDEITKDEWMEKLNHLVQRADMNRLIMNYLVTEGFKEAAEKFRMESGIEPSLDLETLDERIKI
 REMILKGGIQEAIALINSLHPELLDTNRYLYFHLQQQHLIELIRQRETEAALEFAQTQLAEQGEESRECL
 TEMERTLALLAFDSPAEPFGDLLHTMQRQKVWSEVNQAVLDYENRESTPKLAKLLKLLLWAQNELDQKK
 VKYPKMTDLSKGVIEEPK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017896

ORF Size: 684 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: [NM_017896.2](#), [NP_060366.1](#)

RefSeq Size: 4440 bp

RefSeq ORF: 687 bp

Locus ID: 54994

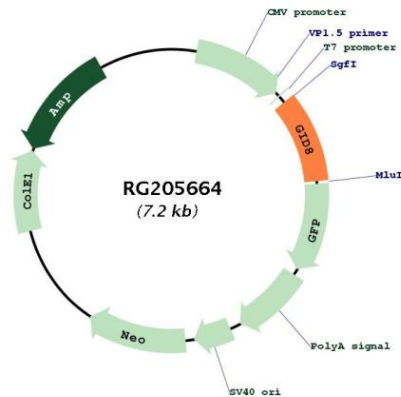
UniProt ID: [Q9NWU2](#)

Cytogenetics: 20q13.33

Domains: LisH, CTLH

Gene Summary: Core component of the CTLH E3 ubiquitin-protein ligase complex that selectively accepts ubiquitin from UBE2H and mediates ubiquitination and subsequent proteasomal degradation of the transcription factor HBP1 (PubMed:29911972). Acts as a positive regulator of Wnt signaling pathway by promoting beta-catenin (CTNNB1) nuclear accumulation (PubMed:28829046).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205664