

Product datasheet for **RG201416**

C17orf75 (NM_022344) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C17orf75 (NM_022344) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C17orf75
Synonyms:	NJMU-R1; SRI2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201416 representing NM_022344 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCCCCTCTTTGCAGGAGTCGATGGATGGAGATGAAAAGGAACTAGAGAGCAGCGAAGAGGGAGGCT
CAGCCGAGGAGCGGAGACTCGAGCCCGCTCCAGCAGCCACTACTGTCTTTACAGCTATCGCGGAAGCAG
ATTGGCACAGCAACGAGGGGACAGTGAGGACGGAAGCCCAAGTGGCACAAATGCAGAACTCCCTCTGGT
GATGATTTTCAGCCTCTCCTTGGCAGATACTAATCTACCATCCGAAGTGGAGCCAGAGCTGCGCAGTTTCA
TTGCTAAGCGTCTTTCAAGAGGTGCAGTCTTTGAAGGGCTGGGTAAATGTTGCATCTGTGGAGCTAAAAAT
TCCAGGTTACCGAGTTGGTTGTTATTACTGCCTTTTCCAAAATGAAAACTGCTTCTGAAACAGTAACG
ATAGACTCTGAACGTAACCCCTTCAGAATATGTGGTCTGTTTTTGGAGGGTCTGAAAAAGGACTTGAGC
TTTTCAGGCTTGAATTGGACAAGTACATTAAGGGCTGAAAAATAACATGAATTGTGAGGCAAGGGGCT
GGAGAGTCACATAAAATCCTATCTGAGCAGCTGGTTTGGAGATGTTGTATGCCCAATCCAAGGGTTGTT
CTTCTCTTTTCAGGAAAAGCTTACCTTTCTGCTACATGCTGCTTTGAGTTACACTCCTGTTGAAGTTAAAG
AATCAGATGAAAAACAAGAGAGACATTAACAGGTTTCTGAGTGTGCCAGTCTTCAAGGACTTATTCA
TGAAGGCACCATGACTTCTTTGTGCATGGCCATGACAGAGGAGCAGCATAAGTCTGTGGTCATCGATTGC
AGCAGCTCCAGCCTCAGTTCTGCAATGCAGGAAGTAACCGTTTTGTGAGGATTGGATGCAAGCTTTTT
TAAATGGTGCCAAAGGAGGTAACCTTTTCTTTTCCGACAAGTACTGGAGAAGTTTAAACTAAAGGCCAT
ACAAGACACAAAATTTGAAGAGATTTATCCGACAGGCAGAAATGAATCATTATGCTTTGTTTAAATGT
TACATGTTCTAAAGAACTGTGGTAGTGGAGATATACTTTGAAGATTGTTAAAGTGAACATGAAGAAA
TGCTTGAAGCCAAAAATGTGATAGCTGCTTGAAGAATTCATGAAGAAGCTCTTGACCAAGTTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201416 representing NM_022344
 Red=Cloning site Green=Tags(s)

MLPSLQESMDGDEKELESSEEGGSAEERRLEPPSSSHYCLYSYRGSRLAQQRGDSEDGSPSGTNAETPSG
 DDFSLSLADTNLPSEVEPELRSFIKRLSRGAVFEGLGNVASVELKIPGYRVGCYCLFQNEKLLPETVT
 IDSERNPSEYVVCFLGGSEKLELFRLELDKYIQGLKNNMNCEARGLESHIKSYLSSWFEDVVCPIQRVV
 LLFQEKLTFLHAALSYTPVEVKESDEKTKRDINRFLSVASLQGLIHEGTMTSLCMAMTEEQHKSVIDC
 SSSQPQFCNAGSNRFCEDWMQAFNLNGAKGNPFLFRQVLENFKLKAIQDTNNLKRFIRQAEMNHYALFKC
 YMFLKNCGSGDILLKIVKVEHEEMPEAKNVIAVLEEFMKEALDQSF

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022344

ORF Size: 1188 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_022344.4](#)

RefSeq Size: 1631 bp

RefSeq ORF: 1191 bp

Locus ID: 64149

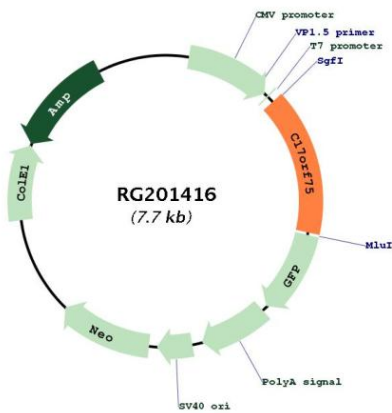
UniProt ID: [Q9HAS0](#)

Cytogenetics: 17q11.2

Protein Families: Druggable Genome

Gene Summary: As component of the WDR11 complex acts together with TBC1D23 to facilitate the golgin-mediated capture of vesicles generated using AP-1 (PubMed:29426865). May have a role in spermatogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG201416