

Product datasheet for **RG222528**

C16orf46 (NM_001100873) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C16orf46 (NM_001100873) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C16orf46
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG222528 representing NM_001100873 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCTCTGTCAGAAAAATGAGACTGACTTAGAAAAATGCTGAAAAATGAAATTCAGTTCACAGAAG
AAACAGAACCAACCTATACTTGTCCAGATGAAAAAGTGAAGAAAAATCATGTTTATTGTCTTCTCGATGT
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GTCCAAGGGTGGGAAGGACTTCTCCAGCTGCCTGCATCTGGCCGAGGAAGATACCAAAAAAGGCGAGGG
TAGGGGAAGGTGCCTGCAGCGACTGCTTGGTGTGTGTTAACCTCTCCCACTGGAGCCTCCAGACCAAGCC
TCCTACTGAGGGGGGCCAGAGAAGGATCAGAGCAGCCCTCCAGACTCAGGCAGCCCCCAGGGCCCC
AGCACTGCTTCCAGGGCAATTAGCGACATCTGCTTTCCACCTACTTTTCAGCAGAGAAAAAAGTCTGC
AAATCAAGGAGTTTATTTGGTGCAACAAAGACTGGGCCATCCCCGGCACTAATAGGGGCAAGGCCTCTGG
GAATCCCAGTGGAGGGGCCACAGAGGGCTGTCCATCCCAGGCCCTGACTTCCAGGGCCCTCCTAGTT
CTGCCTCCCCGAAGGCTTCACTTTCAAATGCTTTGGATGTTCTGGTAAGAAGAGTAAGAAGTCTTTCT
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AGCAGATGGGAAAGGTGAAAAAGAGCCAGTGAGCTGGCCAAACACCCTATGGTCAACGACACGCCATCC
TCCCCTTCCCCAGCGGCCAGATATCCCTGCTGACCGATCCGGAGCAGCGCTGCCTGCATTGGTCCCTCC
TGTCTGAGAAAAACCTGGCGTGCCCTCCAGACCCAGCAACGTTTCGCTACCTTGCCTTGCAGCTTCT
GCAGAAACGGGGAGTGCAAAGCTACAAATCCAAATTCAAAGCCAAGGAGCCAAGATCTCCTGTGATCACC
CGAAAGCATGTTCTCCAAAGGCCAAGCAGGAAAAACAGGCCCAATGCTGGAGACCAAGTTTTCCCAA
GACCTGTCTTGCCGTCTCTCACACAGGAAAAAGAAGATAAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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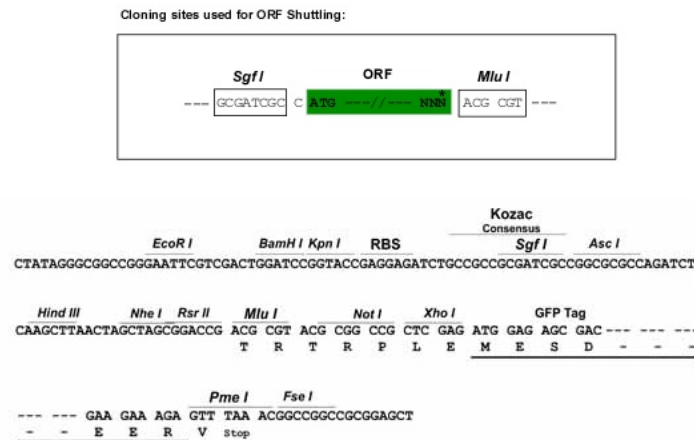
Protein Sequence: >RG222528 representing NM_001100873
 Red=Cloning site Green=Tags(s)

MDLCQKNETDLENAENNEIQFTEETEPTYTCPDGKSEKNHVYCLLDVSDITLEQDEKAKEFIIGTWEEA
 VQGWGRTSPAACIWPRKIPKKARVGEACSDCLVCYNLSHWSLQTKPTEGGPEKDQSSPSQTQAAPQGP
 STASRAISDICFPTYFRAEKSLQIKEFIWCNKDWAIPGTNRGKASGNPSGGAHRGLSIPGPLTSRALLV
 LPPLKASLSNALDVLGKSKNSFLQSEKVLDEKDGCVAYAYGLKTADGKGEKRASELAKHPMVNDTPS
 SPSPAAQISLLTDPQRLHWSLLSEKNLACPPDPSNVRYLAALQLLQKRGVQSYKSKFKAKEPRSPVIT
 RKHVLPAKQENRPQMLETKVFPRPVLPSLTHRKKKIK

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001100873

ORF Size: 1164 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_001100873.1](#), [NP_001094343.1](#)

RefSeq Size: 1931 bp

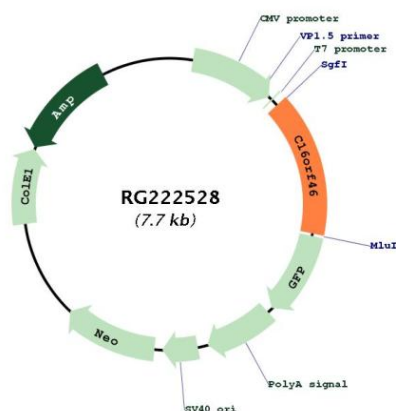
RefSeq ORF: 1167 bp

Locus ID: 123775

UniProt ID: [Q6P387](#)

Cytogenetics: 16q23.2

Product images:



Circular map for RG222528