

Product datasheet for **RG218396**

C16orf89 (NM_001098514) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C16orf89 (NM_001098514) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C16orf89
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG218396 representing NM_001098514 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGCCTGGGGCTGCTGCTCCTGCTCTTACTGACAGCACTGCCACCGCTGTGGTCCTCCTCACTGC
CTGGGCTGGACTGCTGAAAGTAAAGCCACCATTGCAGACCTGATCCTGTCTGCGCTGGAGAGGCCAC
CGTCTTCTAGAACAGAGGCTGCCTGAAATCAACCTGGATGGCATGGTGGGGTCCGAGTGCTGGAAGAG
CAGCTAAAAAGTGTCCGGGAGAAGTGGGCCAGGAGCCCTGCTGCAGCCGCTGAGCCTGCGCTGGGGA
TGCTGGGGGAGAAGCTGGAGGCTGCCATCCAGAGATCCCTCCACTACCTCAAGCTGAGTGATCCCAAGTA
CCTAAGAGAGTTCCAGCTGACCCTCCAGCCCGGTTTTGGAAGCTCCACATGCCTGGATCCACACTGAT
GCCTCCTTGGTGTACCCACGTTCCGGGCCCCAGGACTCATTCTCAGAGGAGAGAAGTGACGTGTGCTGG
TGCAGCTGCTGGGAACCGGGACGGACAGCAGCGAGCCCTGCGGCCTCTCAGACCTCTGCAGGAGCCTCAT
GACCAAGCCCGGCTGCTCAGGCTACTGCCTGTCCACCAACTGCTCTTCTTCTCTGGGCCAGAATGAGG
GGGTGCACACAGGGACCACTCCAACAGAGCCAGGACTATATCAACCTCTTCTGCGCCAACATGATGGACT
TGAACCGCAGAGCTGAGGCCATCGGATACGCTACCTACCCGGGACATTTTCATGGAAAACATCATGTT
CTGTGGAATGGGCGCTTCTCCGACTTCTACAAGCTCCGGTGGCTGGAGGCCATTCTCAGCTGCCAGAAA
CAGCAGGAAGGATGCTTCGGGGAGCCTGATGCTGAAGATGAAGAATTATCTAAAGCTATTCAATATCAGC
AGCATTTTTTCAGGAGAGTGAAGAGGCGAGAAAAACAATTTCCAGATGGCTGCTCCTCCCAACACAGC
CACAGCAGTGGCAGCCCTGGGTGGCTTCTATACATCCTGGCAGAATACCCCCAGCAAACAGAGAGCCA
CACCCATCCACACCGCCACCACCAAGCAGCCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG218396 representing NM_001098514
Red=Cloning site Green=Tags(s)

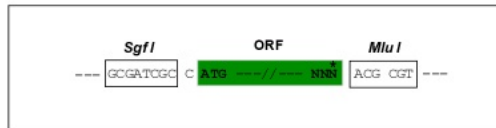
MASLGLLLLLLLTALPPLWSSSLPGLDTAESKATIADLILSALERATVFLEQRLPEINLDGMVGVRLVEE
 QLKSVREKWAQEPLLQPLSLRVGMLGEKLEAAIQRSLHYLKLSDPKYLREFQLTLQPGFWKLPHAWIHTD
 ASLVYPTFGPQDSFSEERSDVCLVQLLGTGDSSEPCGLSDLCRSLMTKPGCSGYCLSHQLLFFLWARMR
 GCTQGPLQSQDYINLFCANMMDLNRRAEAIQYAYPTRDIFMENIMFCGMGGFSDFYKLRWLEAILSQWK
 QQEGCFGEPDAEDEELSKAIQYQQHF SRRYKRREKQFPDGCSSHNTATAVAALGGFLYILAEYPPANREP
 HPSTPPPPSSR

TRTRPLE - GFP Tag - V

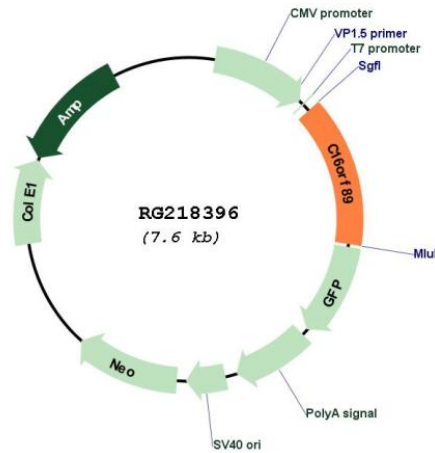
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001098514

ORF Size:	1083 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:	<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_001098514.3
RefSeq Size:	1575 bp
RefSeq ORF:	1086 bp
Locus ID:	146556
UniProt ID:	Q6UX73
Cytogenetics:	16p13.3
Gene Summary:	This gene is expressed predominantly in the thyroid. Based on expression patterns similar to thyroid transcription factors and proteins, this gene may function in the development and function of the thyroid. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]