

Product datasheet for **RG218930**

C16orf89 (NM_152459) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	C16orf89
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG218930 representing NM_152459
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCCAGCCTGGGGCTGCTGCTCCTGCTCTTACTGACAGCACTGCCACCGCTGTGGTCTCCTCACTGC
CTGGGCTGGACACTGCTGAAAGTAAAGCCACCATTGCAGACCTGATCCTGTCTGCGCTGGAGAGAGCCAC
CGTCTTCTAGAACAGAGGCTGCCTGAAATCAACCTGGATGGCATGGTGGGGGTCCGAGTGTGGAAGAG
CAGCTAAAAAGTGTCCGGGAGAAGTGGGCCAGGAGCCCTGCTGCAGCCGCTGAGCCTGCGCGTGGGGA
TGCTGGGGGAGAAGCTGGAGGCTGCCATCCAGAGATCCCTCCACTACCTCAAGCTGAGTGATCCCAAGTA
CCTAAGAGAGTTCAGCTGACCCTCCAGCCCGGGTTTTGGAAGCTCCCATGCCTGGATCCCACTGAT
GCCTCCTTGGTGTACCCACGTTTCGGGCCCCAGGACTCATTCTCAGAGGAGAGAAGTGACGTGTGCCTGG
TGCAGCTGCTGGGAACCGGGACGGACAGCAGCAGCCCTGCGGCCTCTCAGACCTCTGCAGGAGCCTCAT
GACCAAGCCCGGCTGCTCAGGCTACTGCCTGTCCACCACTGCTCTTCTCTCTGGGCCAGAATGAGG
GGGTGCACACAGGGACCACTCCAACAGAGCCAGGACTATATCAACCTCTCTGCGCCAACATGATGGACT
TGAACCGCAGAGCTGAGGCCATCGGATACGCTACCTACCCGGGACATCTTCATGGAAAACATCATGTT
CTGTGGAATGGGCGGCTTCTCCGACTTCTACAAGCTCCGGTGGCTGGAGGCCATTCTCAGCTGGCAGAAA
CAGCAGGAAGGATGCTTCGGGAGCCTGATGCTGAAGATGAAGAATTATCTAAAGCTATTCAATATCAGC
AGCATTTTTTCGAGGAGAGTGAAGAGGCGAGAAAAACAATTTCCAGATTCTCGCTCTGTTGCTCAGGCTGG
AGTACAGTGGCGCAATCTCGGCTCACTGCAACCTTTGCCTCCTGGGTTCAAGCAATTCTCTTGCCTCATC
CTCCCGAGTAGCTGGGACTACAGGAGCGTGCCACCATACCTGGCTAATTTTTATATTTTTTATAGTAGAGA
CAGGGTTTCATCATGTTGCTCATGCTGGTCTCGAAGCTCCTGATCTCAAGAGATCCGCCACCTCAGGCTC
CCAAAGTGTGGATTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG218930 representing NM_152459
Red=Cloning site Green=Tags(s)

MASLGLLLLLLLTALPPLWSSSLPGLDTAASKATIADLILSALERATVFLEQRLPEINLDGMVGVRVLEE
QLKSVREKWAQEPLQLPLSLRVGMLGEKLEAAIQRSLSLHYLKLSDPKYLREFQLTLQPGFWKLPHAWIHTD
ASLVYPTFGPDQSFSEERSDVCLVQLLGTGDSSEPCGLSDLCRSLMTKPGCSGYCLSHQLLFFLWARMR
GCTQGPLQQSQDYINLFCANMMDLNRRAEAIGYAYPTRDIFMENIMFCGMGGFSDFYKLRWLEAILSQWK
QQEGCFGEPAEDEELSKAIQYQQHFSSRVKRREKQFPDSRSVAQAGVQWRNLGSLQLPPGFKQFSCLI
LPSSWDYRSVPPYLANFYIFLVETGFHHVAHAGLELLISRDPPTSGSQSVGL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152459

ORF Size: 1206 bp

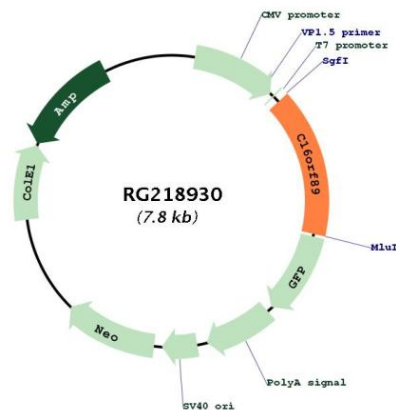
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_152459.4, NP_689672.4</u>
RefSeq Size:	1898 bp
RefSeq ORF:	1209 bp
Locus ID:	146556
UniProt ID:	<u>Q6UX73</u>
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]

Product images:



Circular map for RG218930