

Product datasheet for **RG203311**

C10orf7 (CDC123) (NM_006023) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C10orf7 (CDC123) (NM_006023) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C10orf7
Synonyms:	C10orf7; D123
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203311 representing NM_006023 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGAAGGAGCATGTGCTTCACTGCCAGTTCTCCGCGTGGTACCCGTTCTCCGAGGCGTTACCATCA
AGAGTGCATTCTTCCACTTCTCAGAATGTGAAGGATTATTTACTCGATGATGGAAGTCTGGTGGTTTC
AGGAAGGGATGATCCACCAACACATTCTCAGCCAGACAGTGATGATGAAGCAGAAGAAATACAGTGGTCT
GATGATGAGAACACAGCCACGCTTACGGCACCAGAATTTCTGAGTTTGCCACTAAAGTCCAGGAAGCTA
TCAATTCCTCGGGGCGAGTGTCTTTCCTAAGCTTAATTGGAGTGCCCAAGGGATGCGTATTGGATAGC
AATGAATAGTTCTCTGAAATGTAAAACCTCAGCGACATCTTTCTGCTTTTCAAGAGTTCGATTTCATC
ACTCGTGACTTCACTCAGCCGTTTATTCATTGTAAGTATGATGATTCTCCAGATCCATGTATAGAATATGAGC
TCGTTCTCCGAAAATGGTGTGAATTGATTCCTGGGGCTGAGTTTTCGATGTTTTGTCAAGGAAAACAAGCT
TATTGGTATTTCTCAAAGAGACTACACACAATACTATGATCATATTTCTAAACAAAAGGAAGAAATTCGC
AGATGCATACAAGACTTTTTCAAGAAACACATACAGTACAATTTCTAGATGAAGACTTTGTGTTTCGATA
TATACAGAGACAGTAGGGGAAGGTGTGGCTCATTGACTTTAATCCATTTGGTGAAGTTCACAGATTCACT
GCTGTTACCTGGGAAGAAGTATCTGAGAACAACCTAAACGGCGATTTTAGTGAAGTTGACGCTCAA
GAGCAGGATTTCCAGCTTTCCGTTGCACAAACAGTGAAGTGACAGTCCAGCCCAGCCCCATTTGAGTT
ACCGGCTACCCAAGGACTTTGTAGACCTCTACTGGGGAGGACGCTCACAAGCTAATAGACTTCCTTAA
GCTGAAGAGAAATCAGCAGGAGGACGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG203311 representing NM_006023
 Red=Cloning site Green=Tags(s)

MKKEHVLHCQFSAWYPPFRGVTIKSVILPLPQNVKDYLLDDGTLVVSGRDDPPTHSQPDSDEAEIQQS
 DDENTATLTAPEFPEFATKVQEAINSLGGSVFPKLNWSAPRDAYWIAMNSSLKCKTSLSDIFLLFKSSDFI
 TRDFTQPFIHCTDDSPDPCIEYELVLRKWCELIPGAEFRFCVKENKLIGISQRDYTYYYDHISKQKEEIR
 RCIQDFFKKHIQYKFLDEDFVFDIYRDSRGKVWLIIDFNPFGEVTDLLFTWEELISENNLNGDFSEVDAQ
 EQDSPAFRCTNSEVTVQPSPYLSYRLPKDFVDLSTGEDAHKLIDFLKLRNQVEDD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006023

ORF Size: 1008 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_006023.3](#)

RefSeq Size: 1542 bp

RefSeq ORF: 1011 bp

Locus ID: 8872

UniProt ID: [O75794](#)

Cytogenetics: 10p14-p13

Gene Summary: Required for S phase entry of the cell cycle.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG203311