

Product datasheet for **RG204588**

C6orf223 (NM_153246) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	C6orf223
Synonyms:	MGC45491
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG204588 representing NM_153246
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGATGCCACTGGCAGAAGCAGGCGCCCTGGCCCAAGGAGGAGGCCCTTCAGCAACGGAGTGGGCGCTGCA
TTCTGCGGAGGAAGACCCCAAGCACAAGCAGCCACCTTACTGATGGTCAGAGCATCCAGAAGAAGTGG
CAAGACTTCAGCTGTCTCAAAGCAGGAAGACAGAGTGTCTTGGCAGAAAGAACAGCACAAGCAAAGAT
CTGGTAACCTAGGTGCCTCCAGTTTGAGGGAGGAGAGGACACCCCTCCACCCAGACATAGGAAAG
CAGTCCACCTGCGCACCAGGGGACAGGACACGTGGCTGGGTGCAGACGCTGGCCCGGATGTCGCGGAGGAC
TCGCGGGCCGGTAGAGCGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGAGGAGACGCAGGTACGCCCCC
TTCCACCACTCCCGCCGCCGACGGGGCGCGCGCCGAGGAGCCCGGACAGGTGACTCCTAGAGGAC
TGCCTCTGCGCTCCCCGGCGGGAGTCCCTTCTCGCGGCTCTGCCGCCCTGCGTCCCCTCTGGG
CTTCCGAGAGTCTGACTCAGCCAAGCCGGCATCGCTTCGCCTCTACAACACACCCCGAGCGCGAGAAGA
AATTACAGGATTGCAGGGGCACGGCTAATGCGCTCTAATTACCCACCGCGCTGTCATCCGCGGCGCTCC
GCGGCGCTGGGCCAACGCGCCGTAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



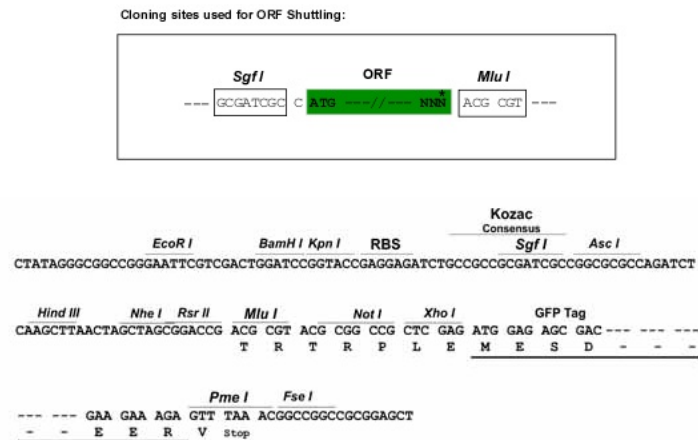
Protein Sequence: >RG204588 representing NM_153246
 Red=Cloning site Green=Tags(s)

MMPLAEAGALAQQGGPSATEWACILRRKTTPRHKQPTLLMVRASRRSGKTSAVLKAGRQSVSGRKNSTSKD
 LVTLGASSLREERGHPLHPRHRKAVHLRTRGRTRGWQTLARMSRRTRGPVERAAAAAAGGDAGHAP
 FPPPPAADGARAPRSPGVQTPRGLRLRPRESLLRGLCRPLRPLLGFRESDSAKPASLRLQLHTPSARR
 NYRIAGARLMRSNYPPLSSAALRGAGPTRRN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153246

ORF Size: 726 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: NM_153246.6

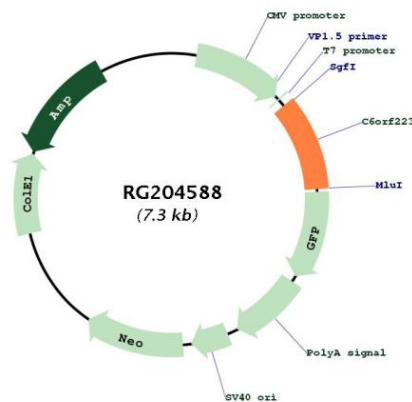
RefSeq Size: 3595 bp

RefSeq ORF: 729 bp

Locus ID: 221416

Cytogenetics: 6p21.1

Product images:



Circular map for RG204588