

Product datasheet for **MG214697**

B020004J07Rik (NM_001033790) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	B020004J07Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214697 representing NM_001033790
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCACCTACAACCCTCCACACTCCTGCAGCTCGCACTGGACGGGTGCTGAGGAAGGATTCCATAG
ACTTCTCTGATCTGGAGTACCTGCCATCACGCTTTCCACCACCTTTCATAAAGGCCTTCAATAGCAG
ACACACAGAGATAGTAAAGAAAATGGTGGCAACCTGGCCCTTCCCTGCCTCCCTGTGGGGGCACCTGCTT
AAAACCGCTGGTGTGAAAATGCTGCAAGCTGTGCTGGATGGCATAGATATACTGCTGACACAGAATGTTA
GTCTCAGGTGCAAGCTTCAAGTGTGGACTTGAGATTTTGCACCAGGATTTCTGGACTGGAAAACAGAA
TGCCATCTGCCAGCAGATATTTGATCAAGAAGCAAGTCCAGAGGGCCTTCTAACTATCCACTAAGG
CAGTGTGTGCAGGTAGTCACTAACCTGGCCCTAGTATCTTCTAAACGAACACCAAATATGCTTGTGC
AGTGGGCCAACAAAAAAGACTCTTTGCAGCTATGCTGTCTGAAGATGACGATTTATAACCTCCACC
AGAGGTTATCAGCGAGGTCTTGGACACTTCCAGCCGACCTATATTGGGATTTGAAAATACACACAGCA
GAGGTCATGCTCTCTAGGTTTCTTGGCCATTTCTTGGCCAGATGAGAAATCTTGTCAAATCTATC
TAAATCAAATCGACTTCTACTTTAGTGTTCGAAACACAGTGACAGATGGAAGATAGGTGCTGCCAAATT
CTTTTCTCAGTTCTCCCAACTCAACCATCTCCAGCATGTCTATATGAATGGTGCCTACATTTCTATGAC
AACATGAAAAGTTGTTTCAGATGCCTGAAGAGTCCCTTGGAGACCTTGTTTTTACTTTCTGCCATCTCT
CAATGTCGACTTGAGACACATGTCAGACTGTGAGAGGCTCTATCAATTGAAACACCTATACTTAAAGGG
TGATAGTTTTTCCAAGTCATATTTCAAGAGTCTCCGAGTTCTCCTAGAGAATGTATCTGCAACTCAG
ACCCTGGGGTTAGAGCACTGCAGGATGAAGGACTCTCACCTCAAAGTCTCTTGCCTGCCTTGATCCAGT
GCTCCAGCTCATCTTTGTCAATTTCTTGGACAACCACTTCTCCAGTCTGTACTGAAGGACCTTCTGCG
ATGCATGGCTAACCTAAGCAAGTTGACTGGAGAGCGGTACCCCGTCCCTGTAGAGTGCTATAATGACATA
GGTAAAGTTATGGTGGAGAGATTTTCCAAGTGTGCTCCTGAGCTCATGGATCTACTCACGGCTAAAAGGC
AGCCCAAGAAAATCTTCTTGTACTGTCTGCTGCCCTAATGTTTGGAGACGCTGTGCTATGACTTGAA
CACCACCAGACTTTGCCATTGTTGGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



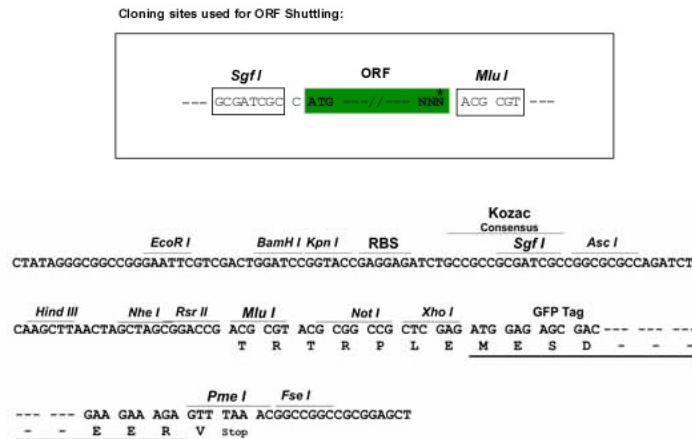
Protein Sequence: >MG214697 representing NM_001033790
 Red=Cloning site Green=Tags(s)

MSTYNPPTLLQLALDGVLRKDSIDFSLELYLPITLFPPLFIKAFNSRHTEIVKMKVATWPFPCLPVGALL
 KTAGVEMLQAVLDGIDILLTQNVSLRCKLQVLDLRFHQDFWTGKQNAICPADILIKKQVPEGLPNYPLR
 QCLQVVTNLALVSSLNEHQICLLQWAQQKDSLQCLCCKMTIYNLPPEVISEVLDTFQPTYIVDLEIHR
 EVMSFLGFFAHFLGQMRNLVKFYLNQIDFYFSVANTVTDGIGAAKFFSQFSQLNHLQHVMNGAYISYD
 NMKKLFRCLKSPLETLFFTFCHLSMSDLRHMSDCQRLYQLKHLYLKGVVFSKSYFKSLRVLLENVSATLQ
 TLGLEHCRMKDSLKVLPLALIQCSQLIFVNFNDNHFSSPVLKDLLRCMANLSKLTGERYPVPVECYNDI
 GKVMVERFFQLCPELMDLLTAKRQPKIFFATVCCPNCLRRCVYDLNTRLCWCWE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001033790

ORF Size: 1428 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_001033790.3](#), [NP_001028962.1](#)

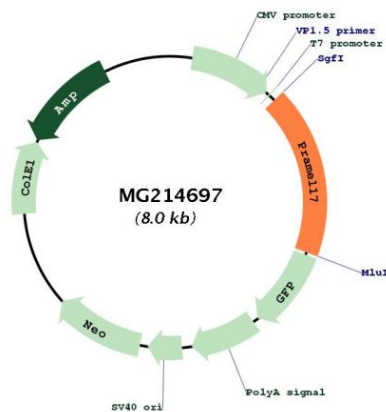
RefSeq Size: 1975 bp

RefSeq ORF: 1431 bp

Locus ID: 545662

Cytogenetics: 4 C6

Product images:



Circular map for MG214697