

Product datasheet for **MG205826**

1700001O22Rik (NM_198000) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	1700001O22Rik (NM_198000) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	1700001O22Rik
Synonyms:	1700113K14Rik; 4930549G18Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205826 representing NM_198000 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCCGGCGCCAGTCCATGGAGGGGACCCGGCCTACAAGCCAAGGGATATCCCGACGGGACCACC
AGCGCCGCTGTTAAGCGGCTGCCGATGCTGCTGCCAATGCTCGAAGGCCGTGTGGGGCGAGATGTAGA
CGGCGGTGGCGGGACCGCAAGTCCAGCGCCTGCCTTGGGGTCCCCGAGTCCCCAACGCTCGG
CGAGACCGTGGGACCGCGCGCACTGCTACTGCCGTGCTGCAGCCGAGCAGCTCGGCCGGGAGCGG
GAACTCGGGGAACCGGCAGCCTGCAGCCCGGACAACCTGACTCCCTGGGCACGCTGTGGGGAAGCT
GCTGCCCAACAAGTTCGCCACTTCCTGCACCACCTGAGCGCCGAGAGCGCAGACCCAGAGCGGACTCA
CGCTGCCCGCCACATAACCCTAGGAGTACATCAAATCACTGCCTAGCTTCTCGGTCTCCGGTGCTTAT
TCCTCCGAGACCTGTGGGACAAACCATTGCACTGCGCAACAATTTAAAGAGAAGACTACCCTGGGGCT
CCCAAGAGGTGAACCTGCCAGAGCCAAAAGGCCCATCCCCCGTGGAGAAGGCTCAAGACCCGAAAA
CGCTATTGTCCCTTCGGGTACGATTCGAGACGAGACCTGCAGGACACAGCACTCCGGTACTGGGAAC
GCAACCGTGCAGTCCGGCAGAAATCTTCCGAGTGAGCAGACGGCTTTGCCAGCTGTATCTGTGCAGA
ACGGGTGCTCGGGAGTGTGGGAGATGGTTGGACAGTTCGCCAGAGCCCTTATCCAGGGTCCAAGAC
ACTGTGGCCGGCTCCTCATTCTGGACCTGCCCGCGTGCAGCTCAGGAACCTCAGCTACCTTTCTG
AGGACTCCTCCGTGAGCAGCCACCTACCTTCACTCCAGGGCCACCATCCCAAGGCCACGGGGAGGCCT
CAGAACCCTCCTGGACACCCCTAACAATGTGGATCAGGAATCCTTTCTGCCAGTTTGGTGTGAGTCT
GTCCTGAAGCAAGGCCCGCCCTAAGGGCTACCAGCTGCTCCTGCCCTCCACCACAAACCGGCAGCAGGCTC
ACAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205826 representing NM_198000
 Red=Cloning site Green=Tags(s)

MFRRQSMEGTPAYKPKGYPDGTTQRRPVKRLPMLLPMLEGRVGRDVGAWRRDRKSQRLPCGSPESP
 NAR RDRGTARALLPSLQPSSAREAGTRGNRQPAARDNPDSLGTLLGKLLPNKFRHFLHHL
 SAESADPEADS RCPPHNPRSTSNHCLASRSSGCLFLPDLWDKPLHCANNFKEKTTLGL
 PRGELARAKKAHPPAGEGSRPRK RYCPFRVRFADETLQDTALRYWERNRAVRQNI
 FPSEQTALPAVSVSERVLGSGVRWLDLPRALYPRVQD TVAGSSFWTCPRVSAQEPQ
 LYLSEDSVSSHLPFISRATIPRPRGGLRTFLDTPNNVDQESFLPSLVLQS VLKQGR
 PKGYQLLLPSTTNRQQAHR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198000

ORF Size: 1125 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_198000.1, NP_932117.1

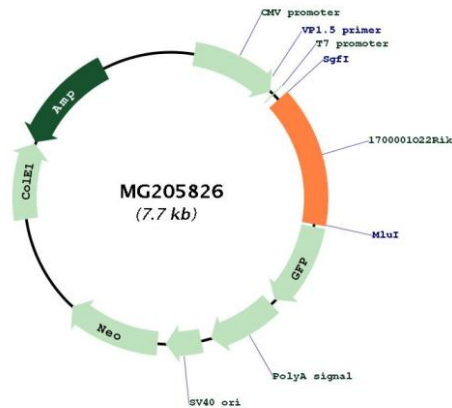
RefSeq Size: 1423 bp

RefSeq ORF: 1128 bp

Locus ID: 73598

Cytogenetics: 2 B

Product images:



Circular map for MG205826