

Product datasheet for **MG215178**

Gm12250 (NM_001135115) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Gm12250
Synonyms:	Irgb10; OTTMUSG00000005723
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG215178 representing NM_001135115
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGTCAGTCTTCTTCTAAACCCGATGCAAAGGCTCACAATATGGCCTCCAGCCTTACTGAATTCTTCA
AGAATTTCAAGATGAAAAGCAAATCATTCTAAGGAGACCATCGATTCAATTCAGTCATGTATCCAAGA
AGGAGACATCCAGAAGGTGATTTCTATAATCAATGCTGCCTTGACAGACATTGAGAAAGCCCCCTGAAC
ATCGCTGTGACAGGGGAGACAGGGGCAGGGAAGTCCACGTTCAATATGCCCTTCGGGGAATAGGACATG
AGGAAAGTGAGTCAGCTGAGAGTGGAGCGGTGGAGACAACCAAGGACAGGAAGAAATACACCCACCCTAA
GTTCCCTAATGTGACCATCTGGGATCTCCCTGGGTTGGGACAACCTCAAAACCAGAAGAATATCTG
AAGAAAATGAAGTCCAGGAGTATGATTTTTCTGATCATCTCATCTGCTCGCTTTAGAGATAATGAAG
CCCAGCTGGCTGAAGCAATCAAAAAATGAAAAAGAAGTTCTACTTTGTTCCGACCAAATGACAGTGA
TTTGTGGAATGAGAAGAAAGCTAAACCCAGTTCCTACAATAGGGAGAAAATCCTGGAGGTGATCCGAAGT
GACTGTGTAAGAATCTGCAGAATGCTAACGCAGCCTCTACTCGTGTCTTCTTAGTCTCAAGCTTTGAGG
TAGCACAGTTTGATTTTCTAGCCTGGAGTCCACCCCTTTGGAAGAGTCCAGCACACAAGCGCCACAT
CTTCGTGCAGTGCCTCCCTACCATTACTGAGCCTGCTATTGATCGCAGGAGAGATGCTCCTGAAACAGACA
ATCTGGCTGGAGGCTCTGAAGGCTGGAGCGTCCGCCACCATCCCATGATGTCATTCTCAATGACGACA
TTGAGGAATTTGAGAAGATCCTGAGCCACTACAGGGCTTGCTTTGGGCTAGATGATGAGTCGCTGGAAAA
CATGGCCAAGGAGTGGTCCATGTCTGTGGAGGAGCTGGAGTCCACCATTAAGTCAACCCATTTGCTGTCA
AGTGAGCCGAATGAATCTGTGGCGGACAAGCTGGTAAAACCATGGAGAAAATTTTCCGCTCACTGGCC
GATTCGTAGCCACTGGCCTTACTTTAGAAAGAGTTACTATATGCAAAATATTTTCTTGACACAGTGAC
AGAGGATGCTAAAGTTCTACTTAAGAAAAAGTCTTTTGCAGGACAGTGTGGACTCTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG215178 representing NM_001135115
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MGQSSSKPDAKAHNMASLTEFFKNFKMESKIIISKETIDSIQSCIQEGDIQKVISIINAALTDIEKAPLN
 IAVTGETGAGKSTFINALRGIGHEESESAESGAVETTKDRKKYTHPKFPNVTIWDLPVGTTFNFKPEEYL
 KKMKFQYDFFLI ISSARFRDNEAQLAEA IKMKKKFYFVRTKIDSDLWNEKKAKPSSYNREKILEVIRS
 DCVKNLQNANAASRVFLVSSFEVAQFDFPSLESTLLEELPAHKRHFVQCCLPTITEPAIDRRRDVLKQT
 IWLEALKAGASATIPMMSFFNDDEIEFEKILSHYRACFGLDDESLENMAKEWSMSVEELESTIKSPHLLS
 SEPNESVADKLVKTMKIFAVTGGFVATGLYFRKSYMQNYFLDVTVEDAKVLLKKKVFVLDQSDVSE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001135115

ORF Size: 1251 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_001135115.1](#), [NP_001128587.1](#)

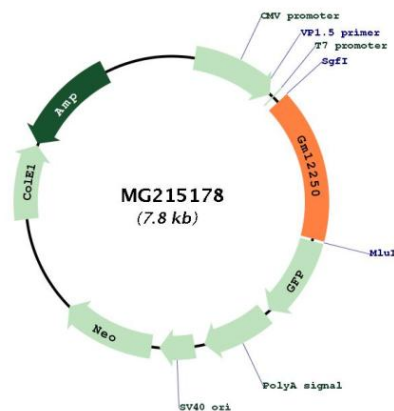
RefSeq Size: 2702 bp

RefSeq ORF: 1254 bp

Locus ID: 631323

Cytogenetics: 11 B1.3

Product images:



Circular map for MG215178