

## Product datasheet for **MG214747**

### Gm6583 (NM\_001039228) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Gm6583
Synonyms:	EG625424
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



**ORF Nucleotide Sequence:** >MG214747 representing NM\_001039228  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGAGTCCCAAGGAAGTAGGCGAGGTACCCTTTACCCTCAGAGACAGGGAAGTGGAGCTACTCTTTTGC  
 CCAACAGACAAAAAGCGGGACTGCTGAACCACCATTACTTCTGCAAAGGATGAGACAGTTCCGGATACG  
 TGAAGACTTCTTACAGAGCTACCCTGGCCAGGAAAAAGGCCATACATGACTTCCGGGTGAGGTGGCCA  
 GAAGTATTCTCTGAAAGGAAGAAAAAGGAGGAACCCCCGACTTGGCCAAAGCTCATCTGACTTCC  
 TCCCTGTGGATTCTAAAGTATTGGCTGTGACTCCCAAGCCCTCCTTTACAGACTCCACATATGACCATT  
 CTCAACAGCTATCTGAAGCCAGAGTCTCTGACACGGCTGGAGAAGAGGGTGAGGAGGAAGACCCTGGCAG  
 CCATGGCTGAGCTGGAGCAGGACATGGAAGCGTTAAGAGACGACAGTCAGTGTCTATAAGGACATCAA  
 GGACATGCAGCAGGACATTTTATGTGAAAAGCAGACAGCAAGCTATTCCTTGAGTACCTACAGCAGAAG  
 AAGGAGGAGAAACAGAGGAAATATGACTCCCTGTGAAAGACTACATCCAGCAGTGTGAGGAGATCGAGG  
 ACAGGAGGCGAGAGCTGGTCTCTACCTTACCTCCCGCACGGCAGGCCCTCCAGAAACAGCTGGAGCAGGG  
 CAGGAAGCTTGAGGCCAGCTTGAGGAAGAAGTGAAGGCCCTGGAGCCCGTGGCACAAGTGAAGGAGCAC  
 CAGGAACAAACGATCCAGGCCCTTAGAGCTGGAGAAAGCCAGCATAGGAAGTACCTCTCCTTACTGGACC  
 GCGAGGCACACCTTCAGTTCTGAAGGAAAGGGCCGCTTGGAGAAGCAATTGGAGGATCTGAACCTGCT  
 GGAGTCTGGAGAGCAAATCACCAGAAAGCTGAAGAAGAAGGCCAAGGCCTTGGATGCCATGGCCAAACAG  
 GCTCACAAGGGCTTCTGGGAGGGTATTAAGCTCAGAACAGGGAGCTGAAAACACAGCTCTGGCAGCTGA  
 ATCAGGAGTCTGCAAGCTGGAGGCCGAAAGGAGAAGCTGGAACGGAGAAAGCAGCGGTGAAAAGAGCA  
 GCAGTGGTACCTGGAGGCTCTGGCCGGGGGAGAGAGCGCCTGCAGCAGCAGGAGTACCGCAGGCAGCAG  
 CAGGAGAACCACCCAGACCACAGACAGCTCCTCCACCAGCACTGAGCCGTCTATTAAGTGCCAGGC  
 CAAAAGCCAATCCTAAGAAATGGCTACCACATCCAGAAAGCAGACTGGAGCTGAAGCTGGGGCACTACA  
 CAAAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG214747 representing NM\_001039228  
 Red=Cloning site Green=Tags(s)

MESQGSRRGTLYPQRQSGATLLPNRQKGGTAEPPLLPKADTVRIREFSYRATLARKKAIHDFRVRWP  
 ELILLERKKKEELPVLGQSSDFLPVASSCSMSVSIINTDLSTPSELLDSKVLAAADSQAPPLQTPHMTI  
 LNSYLKPESLTRLEKRVRRKTLAAMAELEQDMEAVKRRQSVLIRDIKDMQQDILCEKADSKLFLEYLQQK  
 KEEKQRKYDSLWKDYIQCEEIEDRRRELVSTFTSRTAGLQKQLEQGRKLEASLRKKMKALEPVAQVKEH  
 QEQTIQALELEKASIGTDLSLLDREHLQFLKERAALQKLEDLNLLESQEITRKLKKKAKALDAMAKQ  
 AHKGFWEGIKAQNRELKTLWQLNQEFCKLEAGKEKLERKQRWKEQQWYLEALARGRERLQQQYRRQQ  
 QENHHPRPQTAPPALSRLLSARPKANPKKWLPHPRKQTGAEGALHKE

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001039228

**ORF Size:** 1407 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:**

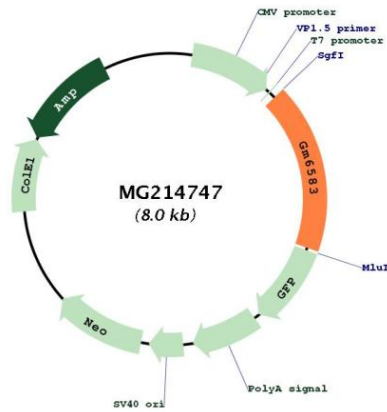
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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\\_001039228.4](#), [NP\\_001034317.2](#)

RefSeq Size: 2261 bp  
 RefSeq ORF: 1410 bp  
 Locus ID: 625424  
 Cytogenetics: 5

**Product images:**



Circular map for MG214747