

Product datasheet for **MG215574**

Gm3286 (NM_001122678) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|-------------------------|
| Product Type: | Expression Plasmids |
| Tag: | TurboGFP |
| Symbol: | Gm3286 |
| Synonyms: | 100041354 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



ORF Nucleotide Sequence: >MG215574 representing NM_001122678
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTGGTCAGACCCACCCACACTCCAGAAGCTAGCAAGGCAGACACTGCTGAGAGATGAGGCTTTGG
CCATATCCTCTCTGGAGGAGCTGCCAGCTGTGGTCTTCCCACCACACTGTTCCAAGAGGCCTTTGCTGGCAG
ACTCAACAAGCTCATAAAGGCAATGGTGGCAGCCTGGCCTTCCACGATCTCCCTGTGGGGCCATTGATA
AATATGCATAACCTGGAAACCTTGAAGCTCTGCTAGATGGAGTAGACATGAGACTAACAAGAAAATTTTC
ACCCCTGGAGGCCAAAACCTTCAAGTTCTCGACATGAGAAAACGTGGACCATGTCTTCTGGAACATATGGAG
CGATGC AAAATGACAGTGACTCTGATGCAGAGACCTTGGATGAAAAGCAAGTAGTGAAGGCCCTCGCAGA
TATGCACTGAGGCAGCTCTGAAGATCATAGTTGATCTGTCAATCAGTTCTCAGCTCAATGAACAAAAAG
CATATTTCTTGAATTGGCCAAGCAGAGAAAAGGGTCCATAAATTTCTGCTGTACAAAGATGAAGATCTG
GGATGCACCAGACGAAGTTATCAGAGAAAATCATGAATGTTTTCCATCCAGAGCACATTACAGAATTAGAA
CTGTATACCGACTGGACTCTGTTGCGGCTGGCACAATTTGCTCCCTACATTGGGCAGATGAAAAATCTTG
AAAGAGTCTTCTGGCACCACCTCCACAAGAATACCTCCCTATTATGAATTTGACAAGGGACTCAAAAAGT
CAAGTGTATAAAAAATATTTCTCAGTTTTCCAAATTTCAACTGTCTCCAACATGTCTTCAATGAAACGT
GTCCATTTTCTCAGAGACCACCTGCATCAGATACTAGGGTGCCTGAGGACGCCCTTGCAGACCCTCTCCA
TCACTCACTGCCTAATCTCACAGACAGACTTGGATTCCTTTTCTGCTGTACACACCTTTTTAAGTTAAA
AAATCTGAAAATCAGAGGAGTGACATTATTTGCTCTCGATCTTATGCCTCTGAGAGGTCTCTAGAAAA
CTGGCAGGTACTCTTGTCTCTGGATTTTCAAGTGGTGTAGCATGAAGGACTCCAGCTCATTGTCTCT
TACCTGCCCTCAGTCAATGCTCTCAGCTCAACCAGATCAACTTCTACAGCAATGACTTCTCCATGGCCAT
CCTGAAGGACCTTTTGCAGCACACAGCCAACTGGAGCAAGATGAATGTGGAACAATACCCTGTCCCTCTG
GAGTGTATGATGCATTGGGTGATGTCTCCAGAGAAAGATTTGTGGAACCTTTGTGAGGAGCTCATGGATA
CCCTCAGGGCCAAAAGAGAGCCTAAGAGCATATCTTTTGAACAAATGTCTGCCAAAATTTGTGGCAAGAC
CTGTGTCTATGGCCAGGGGCAAGACTTTGTTCTGTTTGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG215574 representing NM_001122678
Red=Cloning site Green=Tags(s)

MSGQTPPTLQKLARQTLRDEALAISSLEELPAVVFPLFQEFAGRLNKLKAMVAAWPFHDLVVGPLI
NMHNLETQLALLDGVDMLRTRKFHPWRPKLQVLDMRNVDHVFVNIWSDANDSDSDAETLDEKQVVKAPRR
YALRQRLKIIIVDLSSISQLNEQKAYFLNWKQRKGSINFCCTKMKIWDAPDEVIREIMNVFHPHEHTELE
LYTDWTLRLAHFAPYIGQMKNLERVFLAPLHKNTSPIMNLRDTRSKVKCIKKIISQFSKFNCLQHVMFKR
VHFLRDHLHQILGCLRTPQLTSLITHCLISQTDLDSFSCCHNLFKLNLEIRGVTLFALDLMPLRGLLGK
LAGTLESDFQWCSMKDSQLIVLLPALSQCSQLNQINFYSNDFSMAILKDLLQHTANWSKMNVEQYVPVPL
ECYDALGHVSRERFVELCQELMDTLRAKREPKISFATNVQCNGKTCVYGGGARLCSCLQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_001122678

ORF Size: 1443 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).

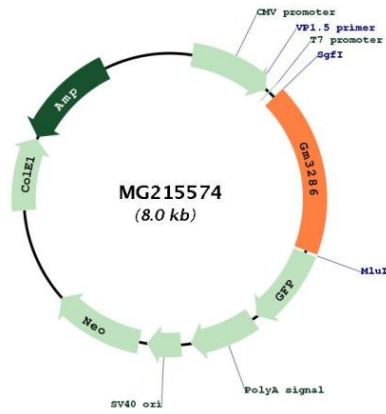
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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_001122678.2](#), [NP_001116150.1](#)

RefSeq Size: 2001 bp
 RefSeq ORF: 1446 bp
 Locus ID: 100041354
 Cytogenetics: 5

Product images:



Circular map for MG215574