

Product datasheet for **MG214286**

Gm136 (NM_001033255) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gm136 (NM_001033255) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gm136
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG214286 representing NM_001033255 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCAGAAATCCAAATTACACAGATTTTGTGGCTGTGCCGTTTGCAATAAAATAATTCCACCAGCCC
CTTTCGGGAAACCTTCAAACGGATCTATGACTACAAGCCATTTAAGACACGCTTCTATACTCACAAGA
TATCTTGGATATTGGGGCAAGTATTCTGAACAAAGAAGAAGAGTTTCGAGAGACTGTGTTCAAGGAACAA
ATCAAAAAGCAGAAGCCAAAGTGTGGAAAAGGCTGAAGTCTCAAAAACAAGCCGTGGATCAAGCAG
TTGAAGACGCAGAAGCCAGACACAAATTTGAAATTCGGGTTCTGGAAGAACAACATCAAAAAGACTTAAA
GGCTCTAGAAGACAAAACCAAGGTGAATATGATTCAACAGATGAAGGAAGAGCTGAACAGAGAGCACACA
GCTGCAGAACAGCGTATGGTCCATCGGATCCAGAGGATTATGATGGAGTGTACCAGGAGAAGATGGAGG
CTGTGAAGAAAGCCAGGGAAAGAAGAGAGAAGGATTGCTCAGAAAGCTATCGAAGAAGAGAAAAGCAAGGT
CCTGGAGGAATTTGTAACCACTGGCGTAACCGTCATTAAGACAAGAAGACAAGCCTGGGCCAGCTGATC
AAAGCAAAGGAGCAGAGATGACCATCTACTACGGCATGGCTCAGAGGCAGAAGCAAGAAGAAGTACAAG
AAGTGCTTCAAGAGGCGGAAAAACACACCAGGCCACTTTGACAATATGATGGGCAAACCTTGCAATAC
CCAGGGGGAGCTGCTCTGTGGCCAAGCAACTGGGAATCATGACAACTGGAAAGATTTCTGGAGGAG
GAACTGCAGGAGACCAGGGCCGCTTTTCAAGTATATCAACTACACCTCCCCAGGCTCTCCCCAGGAC
ACGCCGACTTCATTCTGCCCAGAAAGAAAACACCTTCTATCCTTGCTAAGGAAAATGAGCCGAGGAC
TGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG214286 representing NM_001033255
 Red=Cloning site Green=Tags(s)

MIRNPNYDFVCCAVCNKIIPPAPFGETFKRIYDYKPFKTRFYTHKDILDIGASILNKEEEFRETVFKEQ
 IKKAEAKVWEKAELLQKQAVDQAVEDAEARHKFEIRVLEEQHDKLKALEDKTKVNMIQQMKEELNREHT
 AAEQRMVHRIQRIMMECHQEKMEAVKKAREEERRIAQKAIEEEKSKVLEEFVTTGVTVIKDKKTSLGQLI
 KAKEHEMTIYYGMAQRQKQEEVQEVLQEAETHQATLDNMMGKL VNTQGELL SVAKQLGIMTNWKDFLEE
 ELQETRAAFQKYINYTFPRLSPGHADFILPERKKTSPILAKENEPRTD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001033255

ORF Size: 984 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_001033255.2](#), [NP_001028427.1](#)

RefSeq Size: 1303 bp

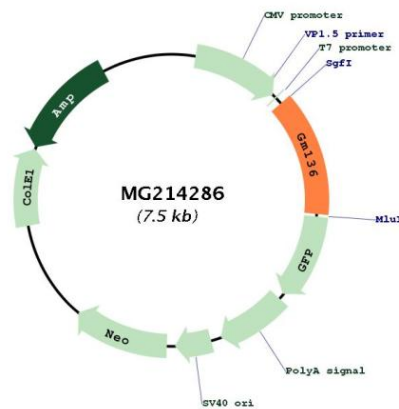
RefSeq ORF: 987 bp

Locus ID: 214568

UniProt ID: [Q3V037](#)

Cytogenetics: 4 A5

Product images:



Circular map for MG214286