

Product datasheet for **MG215599**

Retreg2 (NM_170755) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Retreg2
Synonyms:	Fam134a; MGC47289
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG215599 representing NM_170755, *codon optimized*.
 Due to the complexity of NM_170755, the ORF clone is codon optimized for mammalian Expression.
 The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGCAAGCTCCGGCGGAGAAATACCGGAGCTGGGGGCACATCAGGCTTGGGCTGGGACTTGGCCTGT
 CCTGGGGATGGGAGAGGCGACAGGAGATGCAGAGGAAGAAGCTGCTGCTGCTGAGGCCGTGGGCCGGCT
 GGCAACCAGCTGTGTTGAGGCTTAGAGGCTGGGAAGCTGTCTTGCAGCTGCTCAGCGGCTCCTGGTG
 TGGGAGAAACCTTTGCACTCTCTGGTCACCGCCGCAACCTGAACGGGCTGTTCTGGCTGCTTAGTAGTT
 CAAGCCTCCGCCCTTTTCTCCTCAGTATCTCCCTTTGACATATTTCTGTGGACCTCTGGCACCC
 TCGGTTCTCCAGACGTAAGCGCTCTCCACCCGAGGAACACATTCTGATTAGAGGGGGCTGGCTCC
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 CGCATCGCTGTACTGGCTGTGTTGGGTCATTACGTCGCCGGTGTATGATCAGTTATATAGTATTGCTC
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 TGCTGATGCAGTTGATTACTCTATGAAGGCTGAGGCAGACGCTCTCCACCACAAACAGATAAGAGGAA
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 CCCAATTGTGCTCGTGAGAGCGGACCTGTACCCCGCTCTCTCCAGTGTGCTTCTAGTCTTCTCA
 GGATAGCCCCAACCATTTGGCGGCCCGAGGAGGAGGAGGCACTACAACCGAAGACTTTGAAGTCTT
 GACCAAGGCGAGCTGGAACAGCTGAACGCGGAGCTCGGACTCGGCCAGAAATGCCTCCAAAACCCCTG
 ATGCTCCTGCCCCCCCACCTTGGGCGCTGACAGCCACTCCCTGGTGAAAGCGACCAGGAGGCACACCG
 TGAGGTGGAACCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG215599 representing NM_170755
 Red=Cloning site Green=Tags(s)

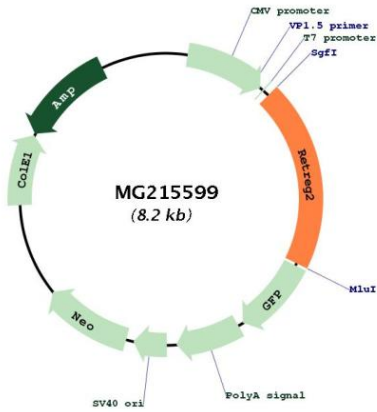
MASSGGNTGAGGTSGLGLGLSLGMGEATGDAAEAAAAEAVGRLATSLWLRRLRGWEAVLAAAQRLLV
 WEKPLHSLVTAATLNGLFWLLSSSLRPFLLSISLLTYFLLDLWHPRFLPDVSAPPPEEPHSDSEGAGS
 GAQPHLLSVPCLCRYLAESWLFQIHLQELLQYKRQNPQFCARGCAACAVLAVLGHVYVPGVMISYIVLL
 SILLWPLVVYHEL IQRMYTRLEPLLMQLDYSMKAADALHHKHDKRKRQKGSAPPAGDEPLAETSESEA
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 ELGEGEETELASPEDLLSAPPALSKQALDTEEEGAADKEALLQLSSPLHFVNTHFNGAGSPQDGVKCPPG
 APVKTLSPAVSGDLMAPSSTLSPQLCLAESGPVTPLSPSVLPSLPQDSPQPLAAPEEEEEALTTEDFELL
 DQGELEQLNAELGLGPEMPKPPDVLPPPPLGADSHSLVQSDQEAHAIEVEP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

RefSeq Size: 2559 bp
 RefSeq ORF: 1626 bp
 Locus ID: 227298
 UniProt ID: [Q6NS82](#)
 Cytogenetics: 1 C4

Product images:



Circular map for MG215599