

Product datasheet for **MR215599**

Retreg2 (NM_170755) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Retreg2
Synonyms:	Fam134a; MGC47289
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR215599 representing NM_170755
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGAGCAGCGGTGGCGGTAAACACCGCGCGGGTGGCACCTCGGGGCTGGGCTGGGCTGGGCTGA
 GCCTCGGCATGGGTGAGGCCACTGGCGACGCGGAGGAGGAGCGGCCGAGCCGAGGAGTGGGACGTTT
 AGCTACGTCCTGTGGCTGCGGCTCCGCGGCTGGGAGGCGGTGCTGGCGGCCGACAGCGACTGCTGGTT
 TGGGAGAAGCCGCTGCACAGCCTGGTCACGGCGGCCACACTCAACGGCCTCTTCTGGTTGTTGTCTTCGT
 CGTCCCTCCGGCCCTTCTCTGCTCAGCATCTCACTTTTGACCTATTTCTACTGGATCTCTGGCATCC
 TGCTTTTCTCCCTGACGTTTTCAGCACACCCCTGAAGAACCACACTCTGACAGTGAGGGTGGGGGTCA
 GGCGCCAGCCGACCTGCTGAGTGTGCCGAGTTGTGACGATACCTGGCTGAGAGCTGGCTCACCTTCC
 AGATTCACCTGCAAGAGCTGTTGAGTACAAGAGGCAGAATCCAGCTCAGTTCTGCGCTCGGGGCTGCGC
 TGCCTGTGCTGTGCTGGCTGTGTTGGGACACTATGTTCCGGGAGTTATGATTTCTACATTGCTTGTCTG
 AGTATCCTGCTGTGGCCCTGGTGGTCTATCACGAGTTGATCCAGAGGATGATACTCGCCTGGAGCCCT
 TGCTCATGCAGCTGGACTACAGCATGAAAGCTGAAGCTGATGCCCTGCACCACAACATGACAAGAGAAA
 GCGCCAAGGAAGAGTGACACCCAGCAGGAGATGAGCCACTGGCGGAAACAGAGAGTGAAGCGAGGCA
 GAGTTGGCTGGCTTCTCTCCAGTGGTGGATGTGAAGAAAACAGCCCTGGCCTTGGCTATTACAGACTCTG
 AGCTGTGAGATGAGGAGGCTCTATCTTAGAGAGCGCGGTTTCTCTGTATCTCGGGCCACCACTCCACA
 ACTGACAGATGTTTCTGAAGATTTGGACAGCAGAGCCTGCCAAGTGAGCCAGAAGAGGCTCTGAACCGA
 GAGCTGGGGGAGGGGAAGAGACAGAGCTGGCCTCTCTGAAGACCTGCTAAGTGCGCCTCCAGCCCTCT
 CAAAGCAAGCTTTGGACACCGAAGAGGAGGGGCTGCAGACAAGGAAGCCTTGTTCAGCTCTCATCCC
 TCTTCACTTTGTGAATACGCACCTTCAATGGGGCAGGGTCCCCCAAGATGGAGTGAAATGCCCTCCTGGT
 GCACAGTGAAGACCTGAGCCAGAGGAGTGAAGTGGTGACCTAATGGCTCCATCCAGCACCTCTCAC
 CCCAAGTTTGCCTGTGTAAGTGGTCCAGTTACCCCTCTCTCCCTCTGTGCTCCCATCCCTTCCCCA
 GGACTCACCTCAACCCCTGGCTGCTCCTGAGGAGGAAGAGGCACTCACAAGTGGAGCTTTGAGTTGCTG
 GATCAGGGGGAGCTGGAGCACTGAATGCAGAGCTGGGCTTGGGACCAGAGATGCCTCCAAAGCCCCCTG
 ATGTTCTGCCTCCTCCTCCCTGGGGGAGACAGCCATTCCCTGGTACAGTACAGCAAGAGGCTCATGC
 AGAGGTTGAGCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR215599 representing NM_170755
 Red=Cloning site Green=Tags(s)

MASSGGNTGAGGTSGLGLGLSLGMGEATGDAEEEEAAAEAVGRLATSLWLRLRGWEAVLAAAQRLLV
 WEKPLHSLVTAATLNLFWLLSSSLRPFFLLSISLLTYFLLDLWHPFLPDVSAPPPEPHSDSEGAGS
 GAQPHLLSVPELCRYLAESWTFQIHLQELLQYKRQNPQFCARGCAACAVLAVLGHVYPGVMSIYIVLL
 SILLWPLVYVHELQIRMYTRLEPLLMQLDYSMKAEADALHHKHDKRQKRSAPPAGDEPLAETSESEA
 ELAGFSPVVDVKKTALALAITDSELSDDEASILESGGFSVSRATTPQLTDVSEDLDQQSLPSEPEEALNR
 ELGEGEETELASPEDLLSAPPALSKQALDTEEGAADKEALLQLSSPLHFVNTHFNGAGSPQDGVKCPPG
 APVKTLSPVAVSGDLMAPSSTLSPQLCLAESGPVTPLSPSVLPSLPQDSPQPLAAPEEEEEALTTEDFELL
 DQGELEQLNAELGLGPEMPKPPDVLPPPPLGADSHSLVQSDQEAHAIEVEP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_170755

ORF Size: 1623 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).

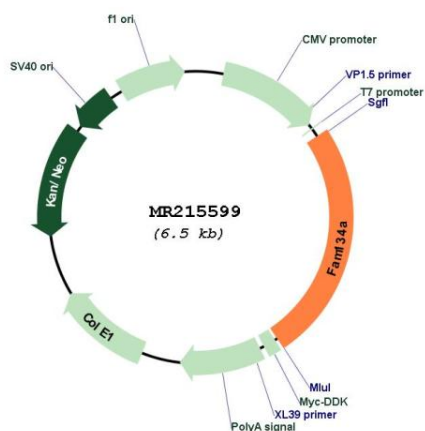
Reconstitution Method:

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_170755.2](#), [NP_739561.2](#)

RefSeq Size: 2559 bp
RefSeq ORF: 1626 bp
Locus ID: 227298
UniProt ID: [Q6NS82](#)
Cytogenetics: 1 C4
MW: 57.5 kDa

Product images:


Circular map for MR215599