

## Specifications:

|                |                  |
|----------------|------------------|
| Gene:          | mC3aR            |
| Accession:     | NP_033909        |
| Insert size:   | 1446bp           |
| Concentration: | 10µg at 0.2µg/µL |

## Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

## Preparation and Storage

|             |                                                                     |
|-------------|---------------------------------------------------------------------|
| Formulation | cDNA is provided in 10 mM Tris-Cl, pH 8.5                           |
| Shipping    | Ships at ambient temperature                                        |
| Stability   | 1 year from date of receipt when stored at -20°C to -80°C           |
| Storage     | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. |

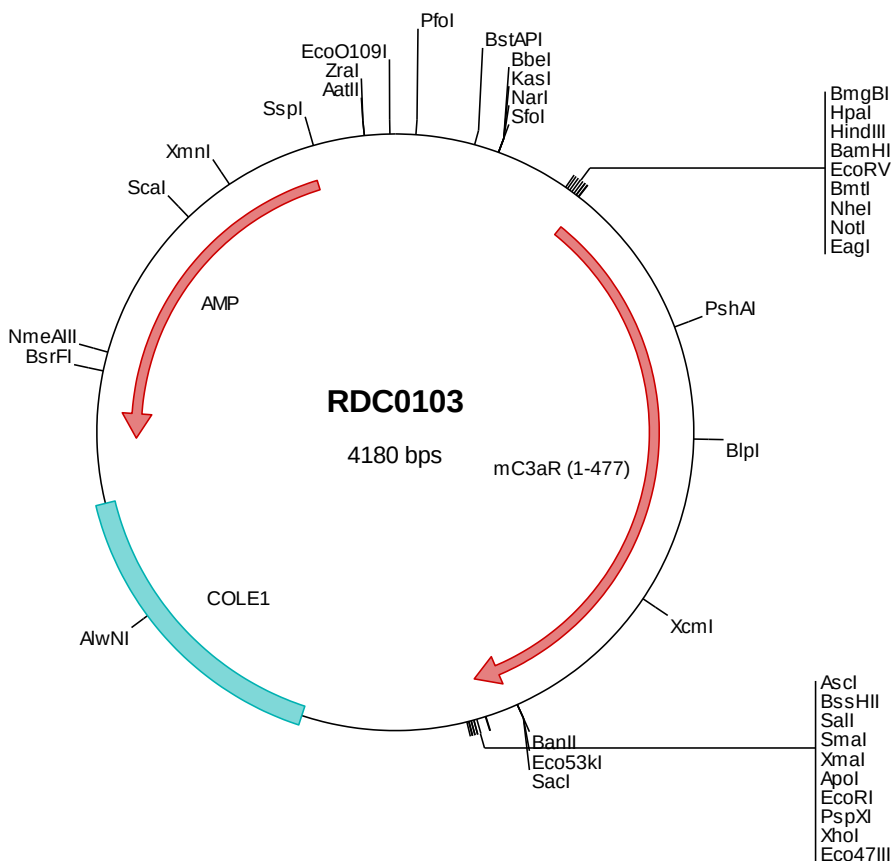
## mC3aR cDNA Plasmid

### C3ar1 complement component 3a receptor 1 [ *Mus musculus* ]

**Also known as:** AZ3B; C3AR;  
HNFA09

### Summary:

Complement Component 3a receptor (C3aR) is a G protein-coupled 7 transmembrane sulfated glycoprotein expressed on myeloid peripheral blood leukocytes, and on activated lymphocytes, endothelial and internal organ epithelial cells. Engagement of C3aR by C3a activates mast cells and neutrophils, triggering degranulation in airways during asthmatic allergen challenges. It assists in Th2-type inflammatory reactions and stimulates leukocyte chemotaxis.





## > RDC0103 Plasmid DNA Sequence

```
1   tcgcgcggtt  cggatgatgac  ggtgaaaacc  tctgacacat  gcagctcccc  gagacggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccg
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201  ccgcacagat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgccatt  caggctgcgc  aactgttggg  aagggcgatc  ggtgcgggcc  tcttcgctat
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```

## > RDC0103 Translated Insert Sequence

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```