

## Product datasheet for **MR200748**

### Agrp (NM\_007427) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Agrp (NM\_007427) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Agrp  
**Synonyms:** Ag; Agrt; Art  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR200748 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTGACTGCAATGTTGCTGAGTTGTGTTCTGCTGTTGGCACTGCCTCCACACTGGGGTCCAGATGG  
 GCGTGGCTCCACTGAAGGGCATCAGAAGGCCTGACCAGGCTCTGTTCCAGAGTCCAGGTCTAAGTCT  
 GAATGGCCTCAAGAAGACAACCTGCAGACCGAGCAGAAGAAGTTCTGCTGCAGAAGGCAGAAGCTTTGGCG  
 GAGGTGCTAGATCCACAGAACC GCGAGTCTCGTTCTCCGCGTCGCTGTGAAGGCTGCACGAGTCTGCT  
 TGGGACAGCAGGTACCTTGCTGCGACCCGTGCGCTACGTGCTACTGCCGTTCTTCAATGCCTTTTGCTA  
 CTGCCGAAGCTGGGTACGGCCACGAACCTCTGTAGTCGCACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR200748 protein sequence  
 Red=Cloning site Green=Tags(s)

MLTAMLLSCVLLALPPTLGVQMGVAPLKGIRRPDQALFPEFPGLSLNGLKKTADRAEEVLLQKAEALA  
 EVLDPQNRESRSPRRCVRLHESCLGQQVPCCDPCATCYCRFFNAFCYCRKLGATNLCSRT

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_007427

**ORF Size:** 396 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\\_007427.3](#)

**RefSeq Size:** 667 bp

**RefSeq ORF:** 396 bp

**Locus ID:** 11604

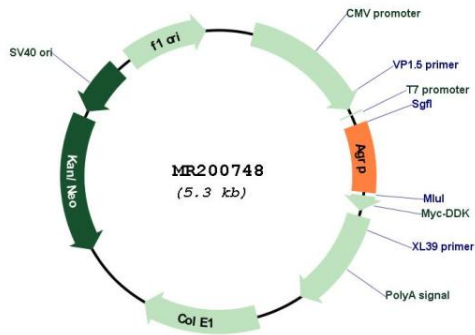
UniProt ID: [P56473](#)

Cytogenetics: 8 D3

MW: 14.4 kDa

Gene Summary: This gene encodes a protein that regulates feeding behavior and plays a key role in the control of body weight. The encoded protein acts as an antagonist of melanocortin receptor signaling. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Nov 2012]

**Product images:**



Circular map for MR200748