

Product datasheet for **MC204203**

Grp (NM_175012) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grp (NM_175012) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Grp
Synonyms:	B; BLP
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC024515
GGCTCTCGAAGCGGCAGTGGCAGAGCTCCTGAGAACCCTCCTCGTGTGCTCCGTCCGGGACAACGCA
CTCTCAGCCTAGTCGAGAGCTCTGAGGGTTTCCCTCCAGGACCATGCGCGGCTCGGAGCTCTCGCTTTG
CTGTTGGCTCTGGTCTCTGCCAGGCGCCCCGGGGCCAGCTGCCCGGTGTCGACAGGCGCAGGTGGAG
GCACGGTCTGGCTAAGATGTATCCGCGCGCAGTCACTGGGCTGTGGGACACTTAATGGGAAAAAGAG
CACGGATGAATCCCCGCTCCCTGTATGCGGCTGACAGAGACGGCCTGAAGGAGCAGCTGAGGGGTACGTC
CGCTGGGAAGAAGCTGCAAGGGATTTGCTGGACCTCTAGAAGCTGTGGGAACCAAGCCACCAGCCAC
CTCAGCATCCGCCTCTCAGTCTCCAGCCTACTTGGGATCCCGAGGACGGCAGCTACTTTAACGACGTTCA
AACCGCTAAGTTGGTAGACTCTCTGCTCCAGGTTCTCAAGGAAAAGGGAGGAAGTCCAGCTGAAGGGAC
AACGACAAGGGCGGCTTCAAGGAGCAAAACAAACCCCTTCAAAGACTGCCTTCTGCAAACGTCAACTCT
ACTGGACCATCAACAAGATTTCTTTGTGCAATTTACTTAACTATTCTCCTTATCTTTCAACCGCAACTA
AACTCGTGATTTTTTCGAGCAGCATCTTCTGGTTTTGAACTTGTTTTCTGTGAACCACTCACTACTTAGAAAG
AGCTTTCCAATGAACGCTTTTTCCAGCTAGGCTTTTTGTTGATTAGATTACGGGCTCCAATTTGCTACCA
TTCACAATAAAAAGCTTCCGTGAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_175012

Insert Size: 441 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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).



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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: [BC024515](#), [AAH24515](#)

RefSeq Size: 881 bp

RefSeq ORF: 441 bp

Locus ID: 225642

UniProt ID: [Q8R1I2](#)

Cytogenetics: 18 38.98 cM

Gene Summary: This gene encodes a neuropeptide hormone that affects various biological processes such as neuroendocrine regulation, gastrointestinal secretion, nociception, cell proliferation and inflammation. The encoded protein undergoes proteolytic processing to generate multiple mature peptides with biological activity. [provided by RefSeq, Aug 2015]