

## Product datasheet for **MR220478**

### Gpr75 (NM\_175490) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr75 (NM_175490) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr75
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR220478 representing NM\_175490  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAACACAAGTGCCTCCGCTTCAGAATGTCCCAATGCCACCTTGCTAAACATGCCTCCCCTGCACGGG  
 GAAATAGCACTTCTCCAGGAAGTCTTCGAGATTTTATCCACACAGCCACCTTGGTGACTGCACCTT  
 TCTGCTTGCCATCATCTTCTGTCTAGGCTCTTATGGAAATTTTATTGTCTTCTTGTCTTTTGCACCA  
 TCCTTCAGGAAGTTCAGAACCACTTTGATTTTCATGATCTTGAACCTGTCTTTCTGTGATCTGTTTCATCT  
 GTGGGGTACAGCCCCATGTTACCTTCGTGCTGTTCTTCAGCTCAGCCAGTAGCATCCCAGATAGCTT  
 CTGCTTACCTTCCACCTTACCAGCTCAGGCTTCGTATCATGTCCCTCAAGATGGTGGCTGTGATTGCT  
 CTGCACCGGCTCCGGATGGTATGGGAAGCAGCCTAATTGTACAGCCTCCTTTTCTGCATCTTGCTCC  
 TTACCCTTCTTCTGGGCGACCAGCTTACACTTGCACCTGGCTACACTGAGAACCAATAAGTCCCA  
 CCTGTGTCTCCCATGTCCAGTCTTATGGATGGGAAGGAAAGCCATTCTGTCTGTATGTTGTTGAC  
 TTTACCTTCTGTGTTGCTGTGGTGTCTGTCTTATATTATGATTGCTCAAACCTTCGGAAAAATGCTC  
 AAGTAAAAAGTCCCCCGGTGATCACAGTTGATGCTCCAGACCACAGCCATTTCATGGGGCCTCTGT  
 GAAGGGAAATGGAGATCCCATCCAGTGCACCATGCCAGCTCTGTATAGGAACCAGAATTATAACAACTG  
 CAGCACAGTCAAACCTCATGGATACACTAAGAATATCAACCAGATGCCAATCCCCTCAGCCAGTCCGACTCC  
 AGCTGGTATCAGCCATCAACTTCTACTGCCAAGGATCCAAAGCCGTGGTACCTGTGTGGTATCGT  
 GTTGTGAGTCCGGTGTGCTGCTTCTCTTGGGATTTCCCTGGTCAAATGGTTCTGTCTGACAATGGC  
 AGTTTATCCTTTACCAGTTTGAAGTGTGGATTTACTCTGATATTTTCAAGTCAGGATTAATCCTT  
 TTATATTTCTCGAACAGTGTGGCTGAGAAGGAAAGTACTCTGGTGCCTGAGATACACTGGCCTGGG  
 CTTTCTCTGCTGCAAACAGAAAACCTCGACTTCGGGCCATGGGAAAAGGGAACCTTGAAATCAATAGAAAC  
 AAATCTTCTCATCATGAGACAACTCTGCCTACATGCTGTCTCCAAAACACAGAAAAATTTGTGGACC  
 AGGCTTGTGGCCCAAGTCACTCAAAGGAAAGTGCAGCGAGTCCCAAAGTTTCTGTGGACATCAACCCTG  
 TGGTCAAAGCAGTTCACACCCATCAACACTAGGATTGAACCTTACTATAGCATCTATAACAGCAGCCCT  
 TCCCAGCAGGAGAGCGG[AT]CCGGCAAACCTGCCTCCAGTGAACCTTTTGGGTTTCCAGTTCCTACA  
 TCGCCATGCACTATTACACCACCAATGATTTGATGCAGGAATATGACAGCAGTCCAGCAAAACAAATTC  
 TATCCCCTCTGTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR220478 representing NM\_175490  
 Red=Cloning site Green=Tags(s)

MNTSAPLQNVPNATLLNMPPLHGGNSTSLQEGLRDFIHTATLVCTFLLAIIFCLGSYGNFIVFLSFFDP  
 SFRKFRNTNDFMILNLSFCDLFCGVTAPMFTFVLFSSASSIPDSFCFTFHLTSSGFVIMSLKMOVAVIA  
 LHRLRMVMGKQPNTASFCILLTLLWATSFTLATLATLRNKSHLCLPMSLMDGEGKAILSLEYVVD  
 FTFCVAVVSYSYIMIAQTLRKNQVKKCPPVITVDASRPQPFMGASVKGNQDPIQCTMPALYRNQNYNKL  
 QHSQTHGYTKNINQMPIPSASRLQLVSAINFSTAKDSKAVVTCVIVLSVLVCLPLGISLVQMVLSNDG  
 SFILYQFELFGFTLIFFKSGLNPFYISRNASGLRRLKVLWCLRYTGLGFLCCKQKTRLRAMGKGNLEINRN  
 KSSHHTNSAYMLSPKPQRKFVDQACGPSHSKESAAAPKVSAGHQPCGQSSSTPINTRIEPYYSIYNSSP  
 SQQESXXPANLPPVNSFGFASSYIAMHYTTNDLMQEYDSTSAAKQIPIPSV

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9015\\_f01.zip](https://cdn.origene.com/chromatograms/mm9015_f01.zip)

**Restriction Sites:**

Sgfl-Mlul

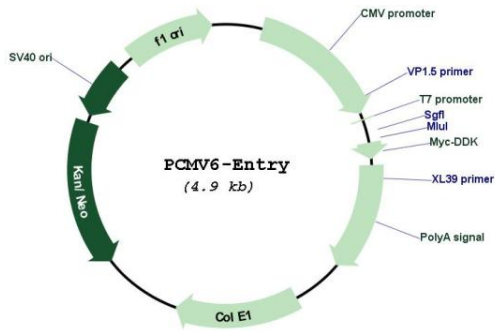


**Cytogenetics:** 11 A4

**MW:** 60 kDa

**Gene Summary:** G protein-coupled receptor that is activated by the chemokine CCL5/RANTES. Probably coupled to heterotrimeric Gq proteins, it stimulates inositol trisphosphate production and calcium mobilization upon activation. Together with CCL5/RANTES, may play a role in neuron survival through activation of a downstream signaling pathway involving the PI3, Akt and MAP kinases. CCL5/RANTES may also regulate insulin secretion by pancreatic islet cells through activation of this receptor.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR220478