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Product datasheet for MC215186

Gpr52 (NM_001146330) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr52 (NM_001146330) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gpr52
Synonyms:	EG620246
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC215186 representing NM_001146330 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAATGAATCCAGGTGGACTGAATGGAGGATCCTGAACATGAGCAGTAGCATTGTGAATGTGTCCGAGC ACCACTCCTGCCCTCTTGGATTTGGTCACTACAGTGTGGAGGATGTCTGCATCTTTGAGACAGTTGTCAT TGTCTTGCTGACATTTCTGATCATCTCTGGGAATTTAACAGTCATCTTTGTCTTTCACTGTGCTCCGCTG TTACACCATTATACTACCAGCTACTTTATACAGACCATGGCATACGCTGACCTCCTCGTTGGAGTTACCT GCTTGGTTCCTACTCTGTCCCTTCTTCATTACTCTACAGGTGTCCATGAGTCATTGACTTGCCAGGTGTT TGGATATATTATTTCAGTTCTAAAAAGCGTGTCTATGGCATGTCTTGCTTGCATCAGTGTGGATCGATAT CTTGCAATAACCAAGCCTCTATCCTACAATCAACTGGTCACTCCTTGTCGCCTGAGAATTTGCATTATTA TGATTTGGATTTACTCCTGCCTAATTTTCTTGCCTTCCTTTTTTGGCTGGGGCAAACCTGGTTACCATGG TGACATTTTTGAATGGTGTGCCACATCTTGGCTTACCAGTGCCTATTTTACTTGCTTTATTGTTTGTTTA CTTTATGCTCCTGCTGCCTTGGTTGTCTGCTTCACTTACTTTCACATTTTCAAAATTTGCCGGCAGCACA CCAAAGAGATAAATGACCGGAGGGCCAGATTCCCTAGTCACGAGGTAGAGGCCTCTAGGGAAGCAGGGCA CAGCCCTGACCGTCGCTACGCCATGGTTTTATTTAGGATAACTAGCGTGTTTTACATGCTGTGGCTTCCA TATATTATTTACTTTCTTCTAGAAAGTTCTCGTGTCTTGGACAATCCCACACTGTCCTTCTTAACCACCT GGCTTGCGATAAGCAATAGTTTTTGTAACTGTGTAATATACAGCCTCTCCAACAGTGTTTTCCGCCTTGG CCTCCGAAGGCTTTCTGAAACAATGTGCACATCTTGTGTGTGTGCGAAGGATCAGGAAGCACAAGATCCC AAACCTAGGAGACGGGCAAATTCCTGCTCCATTTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Chromatograms:	https://cdn.origene.com/chromatograms/ja2295_d09.zip

View online »

Restriction Sites:	SgfI-MluI
ACCN:	NM_001146330
Insert Size:	1086 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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_001146330.1, NP_001139802.1
RefSeq Size:	1086 bp
RefSeq ORF:	1086 bp
Locus ID:	620246
UniProt ID:	P0C5J4
Cytogenetics:	1 H2.1

Gene Summary: G- protein coupled receptor activated by antipsychotics reserpine leading to an increase in intracellular cAMP and its internalization (By similarity). May play a role in locomotor activity through modulation of dopamine, NMDA and ADORA2A-induced locomotor activity. These behavioral changes are accompanied by modulation of the dopamine receptor signaling pathway in striatum (PubMed:24587241, PubMed:28583861). Modulates HTT level via cAMP-dependent but PKA independent mechanisms throught activation of RAB39B that translocates HTT to the endoplasmic reticulum, thus avoiding proteasome degradation (PubMed:25738228).[UniProtKB/Swiss-Prot Function]