

Product datasheet for **MC209066**

Gpr143 (NM_010951) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gpr143 (NM_010951) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gpr143
Synonyms: Oa1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209066 representing NM_010951
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCTCCCCGCGCCTGGGAATTTCTGCTGCCCTACGTGGGACGCAGCCACACAGCTGGTGCTAAGCT
 TCCAACCGCGGGTGTCCATGCCCTGTGCCTGGGAAGCGGCACTCTCCGCTGGTGCTTGGCCTCCTTCA
 GCTCCTATCAGGGCGTCGATCTGTTGGTCACAGGGCGCCTGCGACATCCCAGCCGCTCAGTCCACATC
 CTCCTGTCTGCCACTGCCTGTGACTTGGCTGGCTGGGAATCGTTATCAGGTCCACAGTGTGGATAG
 CCTACCCAGAGTTCATTGAAAACATTTCCAATGTGAATGCAACAGACATTTGGCCTGCTACTTTCTGTGT
 GGGGAGCGCAATGTGGATCCAGCTGTTGTACAGTGCCTGCTTCTGGTGGCTCTTTTGCTATGCAGTTGAT
 GTATACTTGGTGATCAGGAGATCGGCGGGACGGAGCACCATCCTGCTGTACCACATCATGGCCTGGGGCC
 TGGCTGTGCTGCTCTGTGTGGAGGGAGCAGTCACTGCTACTACCCTTCTGTGTCCAGGTGTGAGAGGGG
 CCTGGACCATGCCATCCCCATTATGTCACCACATACTTGCCACTTCTGCTTGTCTGGTGGCAACCCA
 ATCCTGTTTACAAGACAGTGACTTCAGTGGCCTCTTTACTGAAAGGAAGAAAAGGTGTTACACAGAGA
 ATGAGAGACTGATGGGGCTGTGATCAAGACCCGTTTTTTCAAATAATGCTGGTGAATTGATGCTGTTG
 GTTGTCGAATATCATCAATGAAAGTCTTTTGTCTACCTTGAATGCAACCAGATATCCATGGAGGCTCT
 CTGAAACGCATCCAGAATGCAGCTAGGACCACATGGTTTATAATGGGAATACTGAATCCAGCCCAAGGAC
 TTCTCTTGTCTCTGGCCTTCTATGGCTGGACAGGATGCAGCCTGGATGTCCATCCTCCCAAGATGGTGT
 TCAGTGGGAAACAATGACTGCCTCTGCTGCTGAGGGCACGTACCAGACCCTGTGCGTTCCTGTGTGCC
 CATCAAACCCAGGAAGTTGTATGTGTGGGGACATACTTCTGATGAGGTGCTGAGCATTTTGTCTG
 AAGATTCAGATGCCAGTACTGTTGAAATCCATACTGCAACTGGTCTGCAACATAAAGGAAGTTGACTC
 CATTTCCAAGCCAGGGGAACT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_010951
Insert Size:	1218 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	<ol style="list-style-type: none">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_010951.3 , NP_035081.3
RefSeq Size:	1651 bp
RefSeq ORF:	1218 bp
Locus ID:	18241
UniProt ID:	P70259
Cytogenetics:	X 68.46 cM
Gene Summary:	<p>Receptor for tyrosine, L-DOPA and dopamine. After binding to L-DOPA, stimulates Ca²⁺ influx into the cytoplasm, increases secretion of the neurotrophic factor SERPINF1 and relocalizes beta arrestin at the plasma membrane; this ligand-dependent signaling occurs through a G(q)-mediated pathway in melanocytic cells. Its activity is mediated by G proteins which activate the phosphoinositide signaling pathway. Plays also a role as an intracellular G protein-coupled receptor involved in melanosome biogenesis, organization and transport. [UniProtKB/Swiss-Prot Function]</p>