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Product datasheet for MR210720

Gpr156 (NM_153394) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr156 (NM_153394) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr156
Synonyms:	Gababl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR210720 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCCAGAAATCAACTGCTCTGAATTTTGTGACAGTTTTCCTGGTCAAGAGCTGGATCGGAGACCCC
TTCATGATCTTTGCAAGACAACCATTACTGAGTCCCAGCACAGTAGTACAGCCGCCTCCCCACTGTCTCC
TGCCCTCTTGGGGATTATGTGGACCTTTCTCAGCTGTGGGCTACTTCTGGTGCTCTTCTTTCTGGCTTTC
ACAATTCGCTGCAGGAAGAACAGGATTGTGAAGATGTCCAGCCCCAATCTGAATGTTGTGACCTTGCTGG
GCAGTTGTCTGACCTACATCAGCGCTTACCTTTTTGGGATTCAAGATGCTCTTGAGGGGAGTTCAGTAGA
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AAGAGCTGGCGACTCTACAAAGTGTTTACCCAGAGAGTACCGGACAAGAGAGTGATCATCAAAGACCTGC
AGTTGCTGGGATTGGTGGCAGCACTGGTGGTGGCTGATGTAATCCTGCTTGTGACATGGGTGCTGACTGA
CCCCATCCAGTGCCTCCAGATGCTTGGTGTCAGCATGAAGGTGACAGGGAGAGATGTCTCCTGCTCTTTG
ACCAACACACACTTCTGTGCTTCACGGTACTCCGATGTCTGGATAGCCCTGGTTTTGGGATGCAAGGGGC
TGCTGCTGCTGTATGGTGCTTACCTGGCTGGCCTGACCAACCATGTCAGCTCTCCTCCAGTGAACCAGTC
CTTAACCATCATGGTCGGGGTCAACCTCCTGCTCCTCACCGCTGGGCTGCTTTTTGTGGTCACCAGATAC
CTGCACTCCTGGCCCAATCTGGTCTTTGGACTCACATCCGGAGGTATCTTCGTTTGCACAACCACTGTGA
ACTGCTGTGTCTTCATTCCCCAGCTGAAGCAATGGAAGGCATTTGAAGGAGAAAACCAAACAATGAGACA
CATGGCCAAATACTTCAGCACTCCCAGCAAAAGCTTCCACGGCCAGTTCGATGAGGACCCGAGCTGCCAC
TTGAGAGATGAGAAGAGCTGCATGGAGAGGCTCCTAACAGAAAAAAACGCAGTAATTGAAAGCCTGCAAG
AGCAAGTCAGCAACGCCAAGGAAAAGCTGGTAAAGCTGATGTCTGCCGAGTGCACCTATGACTCCCCAGA
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TCGGAGAATGAGAGCGGAGCAGCTGCTAGGGACTCCCTACACGTTCCAGCGGCCTGCCAGCACGTGCAAG
GCCCTGGGGCATCGAGAAGGGACACCAGTCCCTCCCCAGCCCAACAGGACAACATGCCTTTAAAACAGTA
TTGTGATCATTTGGACACGGGTTGCAACCAGAAGCCAAAGGCTGAACAAAGCGAGGGTCCCGAAAGAGGA
GACCAGGAACCCATGGCCCCCAGCCAGCGTTTAATGGCAGATGGAGTGGCCTGTGAACCCCATAAGCCCA
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AGTTCTACAAGAGCTGGACCTGGGCTCTGAGGCTCCCCTTTCCCCACTACCCTGTCCCCAGCAGCTCTGG
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TGAAATCTGCTTCCAGAGCTCTTTGGACTCCAATGACAGCGACACTTCAGACAGTGACCTTGAGCAGGCT
TCAGGATTGGCCTCCTGGGGAAAGCTGTGGGCCCGCTCCAAGCCTGTTGTGAACTTCAAAGATGACTTGA
AGCCCACGCTAGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR210720 protein sequence
Red=Cloning site Green=Tags(s)

MEPEINCSEFCDSFPGQELDRRPLHDLCKTTITESQHSSTAASPLSPALLGIMWTFLSCGLLLVLFFLAF
TIRCRKNRIVKMSSPNLNVVTLLGSCLTYISAYLFGIQDALEGSSVEALIQTRLSLLCIGTSLVFGPILG
KSWRLYKVFTQRVPDKRVIIKDLQLLGLVAALVVADVILLVTWVLTDPIQCLQMLGVSMKVTGRDVSCSL
TNTHFCASRYSDVWIALVLGCKGLLLLYGAYLAGLTNHVSSPPVNQSLTIMVGVNLLLLTAGLLFVVTRY
LHSWPNLVFGLTSGGIFVCTTTVNCCVFIPQLKQWKAFEGENQTMRHMAKYFSTPSKSFHGQFDEDPSCH
LRDEKSCMERLLTEKNAVIESLQEQVSNAKEKLVKLMSAECTYDSPEWAVPDAASARGLALPGPSECPAV
SENESGAAARDSLHVPAACQHVQGPGASRRDTSPSPAQQDNMPLKQYCDHLDTGCNQKPKAEQSEGPERG
DQEPMAPSQRLMADGVACEPHKPRQSPEGLPKKLPGVSSVVREKLQEVLQELDLGSEAPLSPLPCPQQLW
KSTTSRSPQKLSPSKLGFSPYVVRRRRAAQRARSHIPGSVGLNVGHQANSTVSSSQSGLIVQNRDSPRLD
HNNARSKVPRSSSVKPSPLSEPRRKQGTLEGSKQCETEPQEAGGACNVAFPCQSSASVQAQSPAAPCLPS
SPALPRQRQPRPRLSPGCPSLSSGCYNLDSESSSSDEFFCRCHRPYCEICFQSSLDSNDSDTSDSDLEQA
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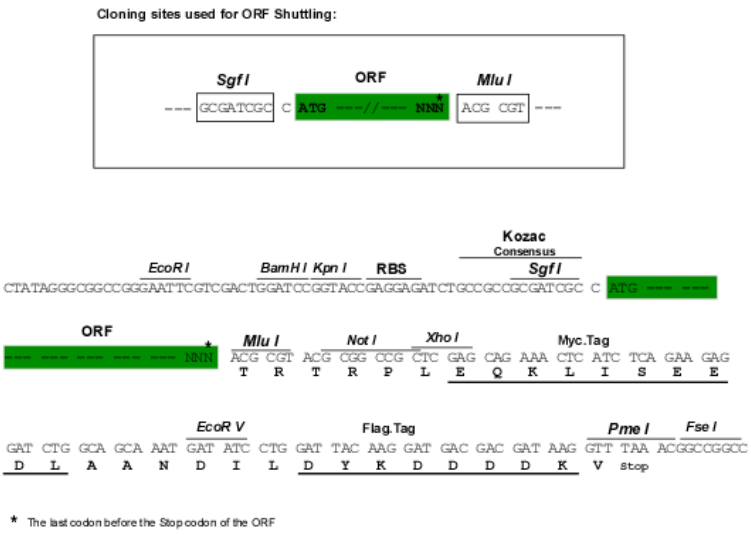
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

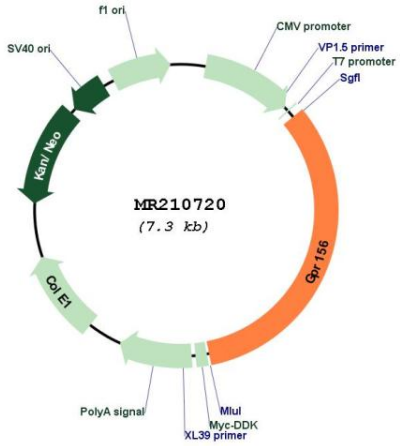
Cloning Scheme:



ACCN:	NM_153394
ORF Size:	2397 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_153394.2, NP_700443.2
RefSeq Size:	4600 bp
RefSeq ORF:	2397 bp
Locus ID:	239845
UniProt ID:	Q6PCP7
Cytogenetics:	16 B3
MW:	86.9 kDa
Gene Summary:	Orphan receptor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210720