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Product datasheet for SC120365

GPR78 (NM_080819) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR78 (NM_080819) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR78
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC120365 sequence for NM_080819 edited (data generated by NextGen Sequencing)

ATGGGCCCCGGCGAGGCGCTGCTGGCGGGTCTCCTGGTGATGGTACTGGCCGTGGCGCTG
CTATCCAACGCACTGGTGCTGCTTTGTTGCGCCTACAGCGCTGAGCTCCGCACTCGAGCC
TCAGGCGTCCTCCTGGTGAATCTGTCTCTGGGCCACCTGCTGCTGGCGGCGCTGGACATG
CCCTTCACGCTACTCGGTGTGATGCGCGGGCGGACACCGTCGGCGCCCGGCGCATGCCAA
GTCATTGGCTTCCTGGACACCTTCCTGGCGTCCAACGCGGCGCTGAGCGTGGCGGCGCTG
AGCGCAGACCAGTGGCTGGCAGTGGGCTTCCCACTGCGCTACGCCGGACGCCTGCGACCG
CGCTATGCCGGCCTGCTGCTGGGCTGTGCCTGGGGACAGTCGCTGGCCTTCTCAGGCGCT
GCACTTGGCTGCTCGTGGCTTGGCTACAGCAGCGCCTTCGCGTCCTGTTCGCTGCGCCTG
CCGCCCGAGCCTGAGCGTCCGCGCTTCGCAGCCTTCACCGCCACGCTCCATGCCGTGGGC
TTCGTGCTGCCGCTGGCGGTGCTCTGCCTCACCTCGCTCCAGGTGCACCGGGTGGCACGC
AGACACTGCCAGCGCATGGACACCGTCACCATGAAGGCGCTCGCGCTGCTCGCCGACCTG
CACCCCAGTGTGCGGCAGCGCTGCCTCATCCAGCAGAAGCGGCGCCGCCACCGCGCCACC
AGGAAGATTGGTATTGCTATTGCGACCTTCCTCATCTGCTTTGCCCCGTATGTCATGACC
AGGCTGGCGGAGCTCGTGCCCTTCGTCACCGTGAACGCCCAGTGGGGCATCCTCAGCAAG
TGCCTGACCTACAGCAAGGCGGTGGCCGACCCGTTCACGTACTCTCTGCTCCGCCGGCCG
TTCCGCCAAGTCCTGGCCGGCATGGTGCACCGGCTGCTGAAGAGAACCCCGCGCCCAGCA
TCCACCCATGACAGCTCTCTGGATGTGGCCGGCATGGTGCACCAGCTGCTGAAGAGAACC
CCGCGCCCAGCGTCCACCCACAACGGCTCTGTGGACACAGAGAATGATTCCTGCCTGCAG
CAGACACACTGA

Clone variation with respect to NM_080819.2
192 g=>a;732 c=>t

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_080819 unedited
TGGGGGGACTAGGGGTTTTGTAACCGGCTCCCACNTTAGGACGAACGCGAATTCAGATCT
GGTACCGAGCTCGGCTCCACTAGTAACGGCCGCCAGTGTGCTGGAATTCGCCCTTCGAAG
CAGAGCGCATGAGAACCCCAGGGTGCCTGGCGAGCCGCTAGCGCCATGGGCCCCGGCGAG
GCGCTGCTGGCGGGTCTCCTGGTGATGGTACTGGCCGTGGCGCTGCTATCCAACGCACTG
GTGCTGCGTGTGGTGCGCCTACAGCGCTGAGCTCCGCACTCGAGCCTCATGCGTCCTCCT
GGTGAATCTGTCTCTGGGCCACCTGCTGCTGGCGGCGCTGGACATGCCCTTCACGCTACT
CGGTGTGATGCGCGGGCGGACACCGTCGGCGCCCGGCGCATGCCAAGTCATTGGCTTCCT
GGACACCTTCCTGGCGTCCAACGCGGCGCTGAGCGTGGCGGCGCTGAGCGCAGACCAGTG
GCTGGCAGTGGGCTTCCCACTGCGCTACGCCGGACGCCTGCGACCGCGCTATGCCGGCCT
GCTGCTGGGCTGTGCCTGGGGACAGTCGCTGGCCTTCTCAGGCGCTGCACTTGGCTGCTC
GTGGCTTGGCTACAGCAGCGCCTTCGCGTCCTGTTCACTGCGCCTGCCGCCCGAGCCTGA
GCGTCCGGGCTTTGCAGCCTTGACCGACACGCTACATGCCGTGGGCTTCGTGCTGCCGCT
GGCGGTGCTCTGCCTCACCTCGGTCCAGGTGCACCGGGTGGCACGCAGACTCTGGCAGCG
CATGGACACCGTCACCATGAAAGCGCTGGCGCTGCTGGCCGACCTGGACCCCACTGTGCG
GGAGCGCTGCCTCATCCAGCAAAGCGA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_080819 unedited
NGGGCCTTGGNGATGGCAACTTCCAGGTCCAGNAGAAGCACTGGGGNAGGGTCACAGGAT
GCCACCCGGGATCTGTTCAGGAAACAGCTATGACCGCGGCCGCCAGTGTGATGGATATCT
GCAGAATTCGCCCTTCTACTGCTGTCCACACCCACATCCGGCCCTCTCCTCCTCCTCCTC
CTGTACTTCAGCCTTAGCTCAAAGTCAAGCCACTGGTGTCTGGGGGTCCCCAGTGGCATC
TCTGTGGCAGGGCCAGTGCCCTTTCCACAGGGCTTCTTAGAAGGTGGGGGCGATGAGCCC
TGCCAGGCCCTCAGTGTGTCTGCTGCAGGCAGGAATCATTCTCTGTGTCCACAGAGCCGT
TGTGGGTGGACGCTGGGCGCGGGGTTCTCTTCAGCAGCTGGTGCACCATGCCGGCCACAT
CCAGAGAGCTGTCATGGGTGGATGCTGGGCGCGGGGTTCTCTTCAGCAGCCGGTGCACCA
TGCCGGCCAGGACTTGGCGGAACGGCCGGCGGAGCAGAGAGTACGTGAACGGGTCGGCCA
CCGCCTTGCTGTAGGTCAGGCACTTGCTGAGGATGCCCCACTGGGCGTTCACGGTGACGA
AGGGCACGAGCTCCGCCAGCCTGGTCATGACATACGGGGCAAAGCAGATGAGGAAGGTCG
CAATAGCAATACCAATCTTCCTGGGGGCGCGGGGCGGCCCTCTGTGATAGCACCTGCCCA
CTGGGCNGCGCACACGCAGCCTCTGTGACGGCATCCTGCGGTTCGGCACCGGCCTGACAG
TAGCAAACGCACGCAACACCCGCTGACTGCGTGAGTGAACCGCCTCACCGCGAGGCACAC
AGACAGCTTGACACAACACATACCTGAGCTAGGCAGCACAACGCGACGGTAGTCGAGATG
ACTGCCTGT

Restriction Sites: Please inquire

ACCN: NM_080819

Insert Size: 1500 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).

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_080819.2, NP_543009.2
RefSeq Size:	1955 bp
RefSeq ORF:	1092 bp
Locus ID:	27201
UniProt ID:	Q96P69
Cytogenetics:	4p16.1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	The protein encoded by this gene belongs to the G protein-coupled receptor family, which contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins. This is an orphan receptor, which displays significant level of constitutive activity. Association analysis shows preliminary evidence for the involvement of this gene in susceptibility to bipolar affective disorder and schizophrenia. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Nov 2011] Transcript Variant: This variant (1) represents the longer transcript and encodes the supported protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.