

Product datasheet for SC114730

GPR105 (P2RY14) (NM_014879) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR105 (P2RY14) (NM_014879) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR105
Synonyms:	BPR105; GPR105; P2Y14
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114730 sequence for NM_014879 edited (data generated by NextGen Sequencing)

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ATGATCAATTCAACCTCCACACAGCCTCCCGATGAATCCTGCTCTCAGAACCTCCTGATC
ACTCAGCAGATCATTCTGTGCTGTACTGTATGGTCTTATTGCAGGAATCCTACTCAAT
GGAGTGTCAAGGATGGATATTCTTTTACGTGCCAGCTCTAAGAGTTTCATCATCTATCTC
AAGAACATTGTTATTGCTGACTTTGTGATGAGCCTGACTTTTCTTTCAAGATCCTTGGT
GACTCAGGCCTTGGTCCCTGGCAGCTGAACGTGTTTGTGTGCAGGGTCTCTGCCGTGCTC
TTCTACGTCAACATGTACGTGAGCATTGTGTTCTTTGGGCTCATCAGCTTTGACAGATAT
TATAAAATTGTAAGCCTCTTTGGACTTCTTTCATCCAGTCAGTGAGTTACAGCAAACCTT
CTGTGAGTGATAGTATGGATGCTCATGCTCCTCCTTGCTGTTCCAAATATTATTCTCACC
AACCAGAGTGTTAGGGAGGTTACACAAATAAAATGTATAGAACTGAAAAGTGAAGTGGGA
CGGAAGTGGCACAAAGCATCAAACCTACATCTTCGTGGCCATCTTCTGGATTGTGTTTCTT
TTGTTAATCGTTTTCTATACTGCTATCACAAAGAAAATCTTTAAGTCCCACCTTAAGTCA
AGTCGGAATTCACCTTCGGTCAAAAAGAAATCTAGCCGCAACATATTCAGCATCGTGTTT
GTGTTTTTTGTCTGTTTTGTACCTTACCATATTGCCAGAATCCCCTACACAAAGAGTCAG
ACCGAAGCTCATTACAGCTGCCAGTCAAAGAAATCTTGCGGTATATGAAAGAATCACT
CTGCTACTATCTGCTGCAAAATGTATGCTTGGACCCTATTATTTATTTCTTCTATGCCAG
CCGTTTAGGGAATCTTATGTAAGAAAATGCACATTCCATTAAGGCTCAGAATGACCTA
GACATTTCCAGAATCAAAGAGGAAATACAACACTTGAAAGCACAGATACTTTGTGA

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Clone variation with respect to NM_014879.3
30 a=>c



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014879 unedited
 TTTGGTATACGACTCACTATAGGGCGCCGCAATTCGGCACGAGGATTAGAGCTGGGCT
 CCAAAGAATACTGGACATCTGTAGTACCTGACATTCAAGCATTGGCGAGATGTCAATAT
 TTCAGAGAGCACTTTAAATGTTTGTATTGAAAGCTAATGCAGTGTTCCTCACTGGTCAA
 CACGAGCAGTCCAGCAGAGAGCAAAATCTATTTCCCTCAACATCAAATGTACACTCAGT
 TGCTGATCCTATCTTGCCTACAGAGAACCTAAAAGACTGGAAAAATTGGATCTTTAATGA
 AAAACACTTGGGCCACTTCAAGACGACAAACGCTCACTGGGCAAAACACCTTCACTGAA
 AAGAGACCTCATATTATGCAAAAAAATCTTAAAGCCCTCGCCTTCAGAAGTTACAAG
 ATGATCAATTC AACCTCCACACAGCCTCCCGATGAATCCTGCTCTCAGAACCTCCTGATC
 ACTCAGCAGATCATTCTGTGCTGTACTGTATGGTCTTCATTGCAGGAATCCTACTCAAT
 GGAGTGTGAGGATGATATTCTTTACGTGCCAGCTCTAAGAGTTTCATCATCTATCTC
 AAGAACATTGTTATTGCTGACTNTGTGATGAGCCTGACTTTTCTTTCAAGATCCTTGGT
 GACTCAGGCCCTGGTCCCTGGCAGCTGAACGTGTTGTGTGCAGGGTCTGCGGTGCTC
 TTCTACGTCAACATGTACGTGAGCATTGTTGTCTTTGGGCTCATCAGCTNTGACAGATAT
 TATAANNAATGTAAGCCTCTTTGACTTCTTCATNCAGTCAGTGAGTTACAGCANACTTC
 TGTCAGNGATAGNATGGATGCTCATGCTCCTTTGCTGTNCAATATTATTCTACCAC
 CAGAGTGGTAAGGGAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014879 unedited
 AGGCACGCNCTCGAGAGNCGAGTTTTTTCTTTTTTTTTTAAGTATTA AACATTTCTTT
 ATTAGTATATAGACAGTAAAGCATGAAATAGATACAAACATTACTTATAAAAATGTTTTG
 AAAGAACATTTGAAAAATAGATGAATGTCTTCTAGCCAGTTAATAGCAGAGAAAGATTT
 AGTTTTGGTAGCTCATAAGTCAGTAACCGTATGCCATGTCTCCAGAAGTAAAATCCGTCT
 GTTTTCCAGAAAAATGTGATGTGTGAATTTTCATTTTATGTGTTATTTGCACTCATTAA
 TGTAATTTTAGATTTAAAAAATCAAGTTTATTTGCTTTCTAAGAAAAATGGTCTCCTTT
 CCCATTCGCCAGTAGATTAATATATGTTCTACGGTGTGGGTGTGCTTTTTCCCAGTCAT
 CTTATTTTTCCATACTATTGAACAGGGGAAGTTGCTGATAACGTATGCCAATATTTAGT
 TTCTCTCAGTAAAGCCTACTTAAAAATATTCTAACACCAGAACCCAGGCTCATTAAATG
 ACGTAAGTCTTTGTAGAAAAATATTTAGCATGTATCTAATATCCTCAAAGTGCTATCAG
 ANAAAAAATTTCTTGCTAAGTATACAATTAATATTCCTCTTCTTTGCACTGCCATG
 AAATACATCAATAAGGGGTTTCTTAAGTGATTGTCTGGGTGTGAGCTTTTCTGCTTCTT
 CANATCAGGAAAAAACCTGACTTTTTATTGCANACAGCTCTAGCCCTTCATCAAACT
 GTGCCCTGCTTTCAAGTAGTCCTTAGGGCAGTGTTGAAAACATACTACTAGATCTGGTATC
 AGAGAGAGATGCTGAGGGAGTGCTTGATATGTGGGTTATTACTTTNAANTCTACTACTG
 ACAACTAGGGTAACTTACTATTATAAAAGATGAAAATGGAGATATTTTATC

Restriction Sites:

NotI-NotI

ACCN:

NM_014879

Insert Size:

2620 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:	<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_014879.2 , NP_055694.2
RefSeq Size:	2428 bp
RefSeq ORF:	1017 bp
Locus ID:	9934
UniProt ID:	Q15391
Cytogenetics:	3q25.1
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	<p>The product of this gene belongs to the family of G-protein coupled receptors, which contains several receptor subtypes with different pharmacological selectivity for various adenosine and uridine nucleotides. This receptor is a P2Y purinergic receptor for UDP-glucose and other UDP-sugars coupled to G-proteins. It has been implicated in extending the known immune system functions of P2Y receptors by participating in the regulation of the stem cell compartment, and it may also play a role in neuroimmune function. Two transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.</p>