

## Product datasheet for RC213524

### GPR22 (NM\_005295) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GPR22 (NM_005295) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GPR22
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC213524 representing NM_005295 Red=Cloning site Blue=ORF Green=Tags(s)

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GCCGCGATCGCC

ATGTGTTTTCTCCATTCTGGAAATCAACATGCAGTCTGAATCTAACATTACAGTGCAGATGACATTG  
ATGACATCAACACCAATATGTACCAACCACTATCATATCCGTTAAGCTTCAAGTGTCTCTACCGGATT  
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GATGTATTCTCTAACTATAGTTATCCTTCTGCTTTCACTGGAGAGTAACACTGCTCTCATTGCTGTTT  
CCATGAGGCTTGTGTATCTTTGCAAGTGTCTCAACAGCAATCAACGTTTTGCTATCACTTTGGACAGA  
TATGACATCTCTGTA AACCTGCAAACCGAATTCTGACAATGGGCAGAGCTGTAGTGTTAATGATATCCA  
TTTGGATTTTTCTTTTTCTTTCTGATTCCTTTTATTGAGGTAATTTTTTCAGTCTTCAAAGTGG  
AAATACCTGGGAAAACAAGACACTTTTATGTGTCAGTACAAATGAATACTACACTGAACTGGGAATGTAT  
TATCACCTGTTAGTACAGATCCCAATATCTTTTTCACTGTTGTAGTAATGTTAATCACATACACAAAA  
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
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**Protein Sequence:** >RC213524 representing NM\_005295  
Red=Cloning site Green=Tags(s)

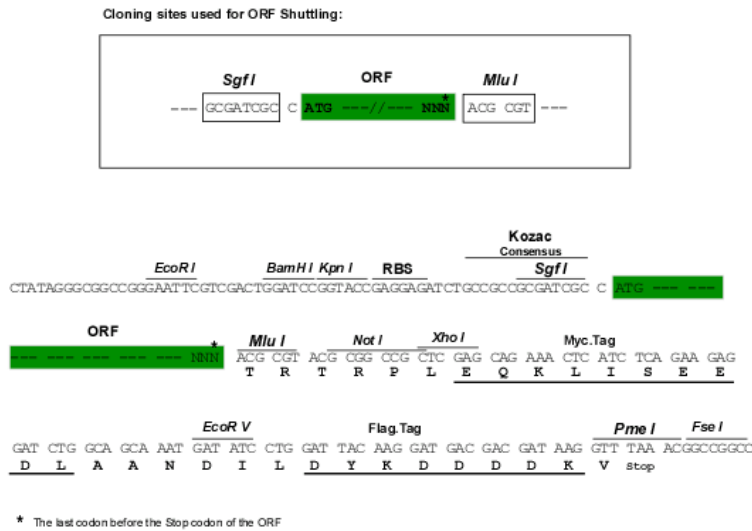
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 NLINSVSNIIITMNLHVLVDVVICVGCIPLTIVILLLSLESNTALICCFHEACVSVFASVSTAINVFAITLDR  
 YDISVKPANRILTMGRAVVLMSIWIWIFFSFLIPFIEVNFSLQSGNTWENKTLTLCVSTNEYYTELGMY  
 YHLLVQIPIFFFTVVVMLITYTKILQALNIRIGTRFSTGQKKKARKKKTISLTTQHEATDMSQSSGGRNV  
 VFGVRTSVSVIIALRRRAVKRHRERRERQKRVRMSLLIISTFLLCWTPISVLTNTTILCLGPSDLLVKLRL  
 CFLVMAYGTTIFHPLLYAFTRQKFQKVLKSKMKKRVSIVEADPLPNNVAIHNSWIDPKRNKKITFEDSE  
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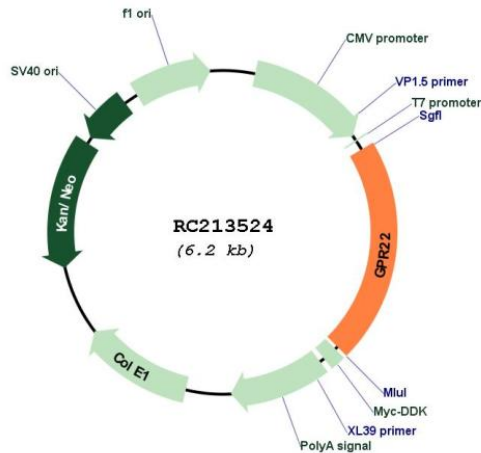
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



<b>ACCN:</b>	NM_005295
<b>ORF Size:</b>	1299 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_005295.3</a>
<b>RefSeq Size:</b>	1302 bp
<b>RefSeq ORF:</b>	1302 bp
<b>Locus ID:</b>	2845
<b>UniProt ID:</b>	<a href="#">Q99680</a>
<b>Cytogenetics:</b>	7q22.3
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>MW:</b>	49.1 kDa
<b>Gene Summary:</b>	This gene is a member of the G-protein coupled receptor 1 family and encodes a multi-pass membrane protein. [provided by RefSeq, Jul 2008]