

Product datasheet for **RG207883**

GPR86 (P2RY13) (NM_176894) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR86 (P2RY13) (NM_176894) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GPR86
Synonyms:	FKSG77; GPCR1; GPR86; GPR94; P2Y13; SP174
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207883 representing NM_176894 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACACCACAGTGATGCAAGGCTTCAACAGATCTGAGCGGTGCCCCAGAGACTCGGATAGTACAGC
TGGTATCCCAGCCCTACACAGTGGTTTTCTGACCGGCATCCTGCTGAATACTTTGGCTCTGTGGGT
GTTTGTTACATCCCAGCTCCTCCACCTTCATCATCTACCTCAAAAACACTTTGGTGGCCGACTTGATA
ATGACTCATGCTTCTTTCAAATCCTCTGACTCACACCTGGCACCTGGCAGCTCAGAGCTTTTG
TGTGTCGTTTTCTTCGGTGATATTTATGAGACCATGTATGTGGGCATCGTGTGTTAGGGCTCATAGC
CTTTGACAGATTCCTCAAGATCATCAGACCTTTGAGAAATATTTTTCTAAAAAACCTGTTTTGCAAAA
ACGGTCTCAATCTTCATCTGGTTCTTTTTGTTCTTCATCTCCCTGCCAAATATGATCTTGAGCAACAAGG
AAGCAACACCATCGTCTGTGAAAAAGTGTCTTCTTAAAGGGGCTCTGGGGCTGAAATGGCATCAAAT
GGTAAATAACATATGCCAGTTTATTTCTGGACTGTTTTATCCTAATGCTTGTGTTTTATGTGTTATT
GCAAAAAAGTATATGATTCTTAGAAAGTCCAAAGTAAGGACAGAAAAACAACAAAAAGCTGGAAG
GCAAAGTATTTGTGTCGTGGCTGTCTTCTTTGTGTGTTTTGCTCCATTCATTTGCCAGATTCATA
TACTCACAGTCAAACCAACAATAAGACTGACTGTAGACTGCAAAATCAACTGTTTATTGCTAAAGAAACA
ACTCTCTTTTGGCAGCAACTAACATTTGTATGGATCCCTAATATACATATTCTTATGTAAAAAATTCA
CAGAAAAAGCTACCATGTATGCAAGGGAGAAAGACCACAGCATCAAGCCAAGAAAAATCATAGCAGTCAGAC
AGACAACATAACCTTAGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG207883 representing NM_176894
 Red=Cloning site Green=Tags(s)

MNTTVMQGFNRSERCPDRTRIVQLVFPALYTVVFLTGILLNTLALWVVFHIPPSSSTFIIYLKNTLVADLI
 MTLMLPFKILSDSHLAPWQLRAFVCRFSSVIFYETMYVGI VLLGLIAFDRFLKII RPLRNIFLKKPVFAK
 TVSIFIWFLLFFISLPMILSNKEATPSSVKKASLKGPLGLKWHQMVNNICQFIFWTVFILMLVFYVVI
 AKKVYDSYRKS KSKDRKNNKLEGVFVVAVFFVCFAPFHFARVPYTHSQTNNKTD CRLQQLFIAKET
 TLFLAATNICMDPLIYIFLCKKFTEKLPCMQRKTTASSQENHSSQTDNITLG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_176894

ORF Size: 999 bp

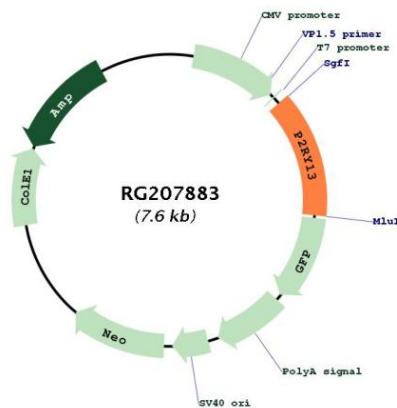
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<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_176894.1 , NP_795713.1
RefSeq Size:	2767 bp
RefSeq ORF:	1065 bp
Locus ID:	53829
UniProt ID:	Q9BPV8
Cytogenetics:	3q25.1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	The product of this gene belongs to the family of G-protein coupled receptors. This family has several receptor subtypes with different pharmacological selectivity, which overlaps in some cases, for various adenosine and uridine nucleotides. This receptor is activated by ADP. [provided by RefSeq, Sep 2008]

Product images:



Circular map for RG207883