

Product datasheet for **RG223985**

GPR25 (NM_005298) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR25 (NM_005298) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GPR25
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG223985 representing NM_005298 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCCACAGAGCCCTGGAGCCCCAGCCCGGGGTGAGCGCCCTGGGACTACTCGGGTTGGACGGCC
TGGAGGAGCTGGAGCTGTGTCCGGCCGGGACCTGCCCTACGGCTACGTCTACATCCCGCGCTCTACCT
GGCGGCCTTCGCCGTGGCCTGCTGGGCAACGCCTTTGTGGTGTGGCTGCTGGCCGGGCGGCGGGGCCCCG
CGGCGGCTGGTGGATACCTTCGTGCTGCACCTGGCGGCAGCTGACCTGGGCTTCGTGCTCACGCTGCCG
TGTGGCCGCGGGCGGCGCTAGGCGGCCGCTGGCCGTTCCGGGATGGCCTCTGCAAGCTCAGCAGCTT
CGCGCTGGCGGGCACGCGCTGCGCGGGCGCGCTGCTGCTGGCGGGCATGAGCGTGGACCGCTACCTGGCC
GTGGTGAAGCTGCTCGAGGCGAGGCCACTGCGCACCCCGCGCTGCGCGCTGGCCTCGTGCTGCGGCGTCT
GGGCCGTGGCGTCTGGCCGGCCTGCCCTCCCTGGTCTACCGGGGGTTGCAGCCCTGCCTGGGGGCCA
GGACAGCCAGTGCGGCGAGGAGCCCTCCACGCCTTCCAGGGCCTCAGCTTGCTGCTGCTGCTGACTGACC
TTCGTGCTGCCCTGGTCTGCTCACCTCTTCTGCTACTGCCGATCTCGCGCCGCTGCGACGGCCCGCGC
ACGTGGGTGGGCGGAGGAAGTCTGCGCATCATCTCGCCATCGAGAGCACGTTTGTGGGCTCCTG
GCTGCCCTCAGCGCCCTGCGGGCGTCTTCCACTGGCGGTCTGGGGGCGCTGCCGCTGCCGTGCCCG
CTGCTGCTGGCGTGGCTGGGCTCACCATTGCCACCTGCCTGGCCTTCGTCAACAGTGCGCCAAC
CGCTCATCTACCTCCTGCTGGACCGCTCATTCCGAGCCCGGGCGCTGGACGGGGCCTGCGGGCGCACCGG
CCGCTGGCGGAAGGATCAGCTCAGCCTCCTCGCTCTCCAGGGACGACAGTTCCGTGTTCCGTTGCCGG
GCCAGGCCGGAACACTGCCTCGGCTCCTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG223985 representing NM_005298
 Red=Cloning site Green=Tags(s)

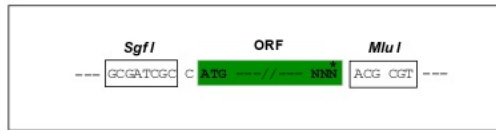
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MAPTEPWSPPSGSAPWDYSGLDGLEELCPAGDLPYGYVYIPALYLAFAVGLLGNAFVVWLLAGRRGP
RRLVDTFVLHLAAADLGFVLTLPWAAAAALGGRWPFGDGLCKLSSFALAGTRCAGALLLAGMSVDRYLA
VVKLLEARPLRTPRCALASCCGVVAVALLAGLPSLVYRGLQPLPGGQDSQCGEESHAFQGLSLLLLLLT
FVLPLVTLFCYCRISRRLRRPPHVGRARRNSLRIFIIFAIESTFVGSWLPFSALRAVFHLARLALPLPCP
LLLALRWGLTIATCLAFVNSCANPLIYLLLLDRSFRARALDGACGRTGRLARRISSASSLRDSSVFRCR
AQAANTASASW
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_005298

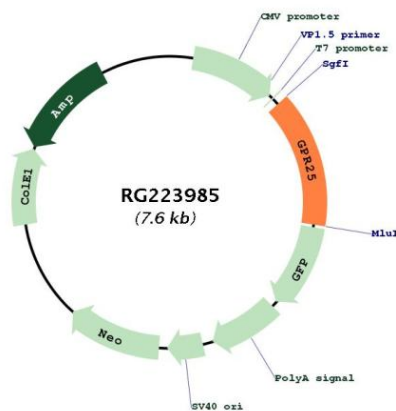
ORF Size: 1083 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<u>NM_005298.4</u>
RefSeq Size:	1224 bp
RefSeq ORF:	1086 bp
Locus ID:	2848
UniProt ID:	<u>O00155</u>
Cytogenetics:	1q32.1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	This gene is intronless and encodes a member of the G-protein coupled receptor 1 family. G-protein coupled receptors are membrane proteins which activate signaling cascades as a response to extracellular stress. This gene has been linked to arterial stiffness. [provided by RefSeq, Nov 2012]

Product images:



Circular map for RG223985