

## Specifications:

Gene:	mGPR25
Accession:	NP_001094986
Insert size:	1090bp
Concentration:	10µg at 0.2µg/µL

## mGPR25 cDNA Plasmid

**Gpr25 G protein-coupled  
receptor 25 [ *Mus musculus*  
(house mouse) ]**

**Also known as:** Gm1300

### Summary:

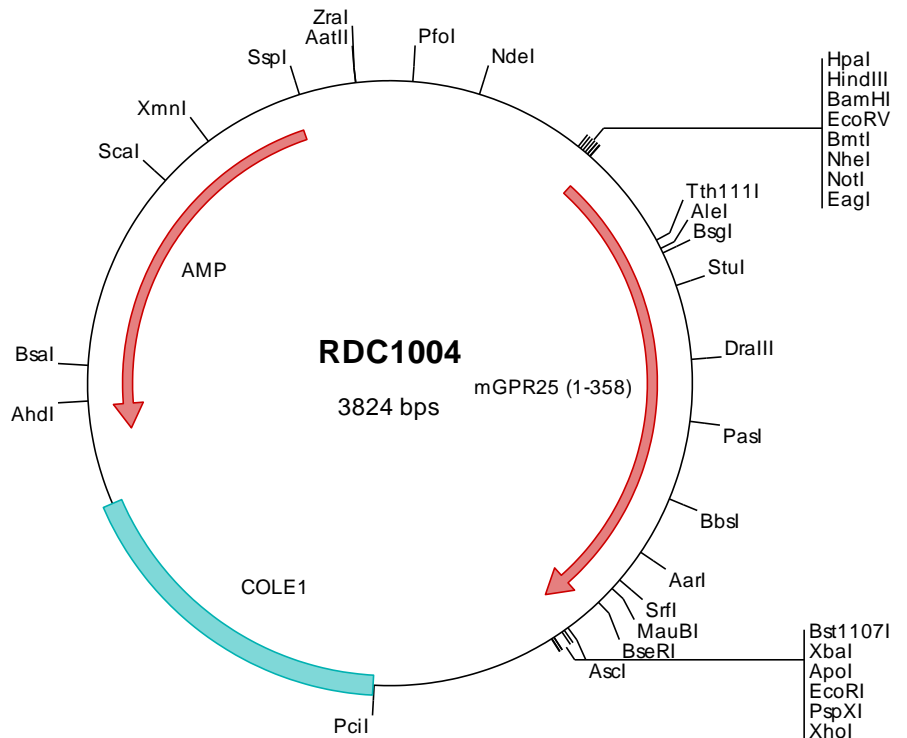
GPR25 is an orphan receptor belonging to the G protein-coupled receptor family which activates signaling cascades as a response to extracellular stress. GPR25 is homologous to receptors involved in BP regulation. It shares highest identity to the receptor encoded by GPR15, angiotensin II type 1A receptor, and somatostatin receptor 5. GPR25 is expressed in liver and brain, and has been linked to arterial stiffness.

## Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

## Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.





### > RDC1004 Plasmid DNA Sequence

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1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tetggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgtat
301 taaccagcct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgccagggt ttcccagtc acgacgtgtg aaaacgacgg ccagtgaatt
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2501 ggtagctctt gatccggcaa acaaacacc gctggtagcg tgggttttt ttgttgcag cagcagatta cgcgcagaaa aaaaggatct caagaagatc
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3701 tagaaaaata acaaaaatag gtttccgccc acatttcccc gaaaagtgcc acctgacgctc taagaacca ttattatcat
3801 ggcgtatcac gaggcccttt cgtc gacattaacc tataaaaaata

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### > RDC1004 Translated Insert Sequence

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1 mqstepwspw wgtlswdysg sgslqdvcl pawnlpygha iipalylaaf avglpgnafv vwllsrqrgp rrlvdtfvlh laaadlglfv ltplwaaaaa
101 rggllwpgdg lckvssfala vtrcagalll agmsvdryla vgrplsarpl rsarcvrvac gaawaafla glpallyrgl qpsldgvgsq caeepwealq
201 gvgllllllt falplavtli cywrvsrrlp rvgrarsnsl riiftvesvf vgcwlpfglv rslfhlarlq alplpcsl11 alrwglvtvt clafvnssan
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