

Product datasheet for **RG228295**

GPR17 (NM_001161415) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR17 (NM_001161415) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GPR17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG228295 representing NM_001161415 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCAAACGGAGTTGGTGGGCTGGATCCAGAAAGCCCCAAGAGAGATGCTGAAACTCTCAGGCTCTG
ACTCCAGCCAAAGCATGAATGGCCTTGAAGTGGCTCCCCAGGTCTGATCACCAACTTCTCCCTGGCCAC
GGCAGAGCAATGTGGCCAGGAGACGCCACTGGAGAACATGCTGTTTCGCTCCTTCTACCTTCTGGATTTT
ATCCTGGCTTTAGTTGGCAATACCCTGGCTCTGTGGCTTTTCATCCGAGACCACAAGTCCGGGACCCCGG
CCAACGTGTTCCATGATGATCTGGCCGTGGCCGACTTGTGCTGCGTCTGGTCTGCCACCCGCTGGT
CTACCACTTCTCTGGGAACCACTGGCCATTTGGGAAATCGCATGCCGTCTCACCAGGCTTCTCTTCTAC
CTCAACATGTACGCCAGCATCTACTTCCCTCACCTGCATCAGCGCCGACCGTTTCTGGCCATTGTGCACC
CGGTCAAGTCCCTCAAGCTCCGAGGCCCTCTACGCACACCTGGCCTGTGCCTTCTGTGGGTGGTGGT
GGCTGTGGCCATGGCCCCGCTGCTGGTGGAGCCACAGACCGTGCAGACCAACCACACGGTGGTCTGCCTG
CAGCTGTACCGGGAGAAGGCTCCACCATGCCCTGGTGTCCCTGGCAGTGGCCTCACCTTCCCGTTCA
TCACCACGGTCACTGCTACCTGCTGATCATCCGAGCCTGCGGACGGGCTGCGTGTGGAGAAGCGCCT
CAAGACCAAGGCAGTGCATGATCGCCATAGTGTGGCCATCTCTGGTCTGCTTCTGTCCTACCAC
GTCAACCGCTCCGTCTACGTGCTGCACTACCGAGCCATGGGGCTCCTGCGCCACCCAGCGCATCTGG
CCCTGGCAAACCGCATCACCTCCTGCCTACCAGCCTCAACGGGGCACTCGACCCATCATGTATTTCTT
CGTGGCTGAGAAGTTCCGCCACGCCCTGTGCAACTTGCTCTGTGGCAAAAAGGCTCAAGGGCCCGCCCC
AGCTTCGAAGGAAAACCAACGAGAGCTCGCTGAGTGCCAAGTCAGAGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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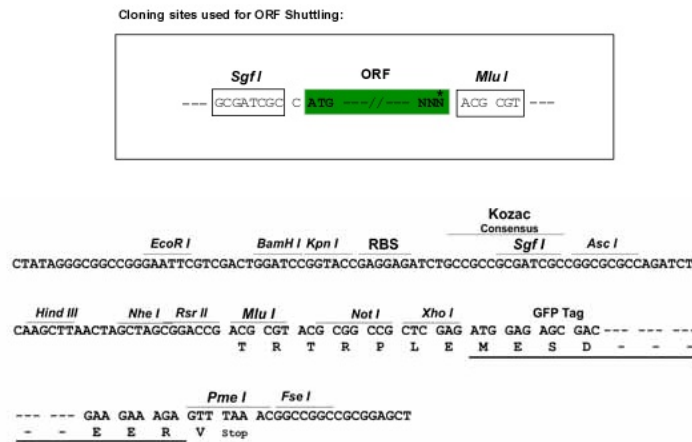
Protein Sequence: >RG228295 representing NM_001161415
Red=Cloning site Green=Tags(s)

MSKR~~SW~~AGSRKPPREMLKLSGSDSSQSMNGLEVAPPGLITN~~FL~~SLATAEQCGQETPLENMLFASFYLLDF
 ILALVGNLALWLFIRDHKS~~GT~~PANVFLMHLAVADLSCVLVLPTRLVYHFSGNHWPFG~~E~~IACRLTGFLFY
 LNMYAS~~IY~~FLTCISADRFLAIVHPVKSLKLRRLYAHLACAFLWVVAVAMAPLLVSPQTVQTNHTVVCL
 QLYREKASHHALVSLAVAF~~TF~~PFITTVTCYLLIIRSLRQGLRVEKRLKTKAVRMI~~AI~~VLAIFLVCFV~~PY~~H
 VNRSVYV~~LH~~YRSHGASCATQRILALANRITSCLTSLNGALDPIMYFFVAEKFRHALCNLLCGKRLK~~G~~PPP
 SFEGKTNESSLSAKSEL

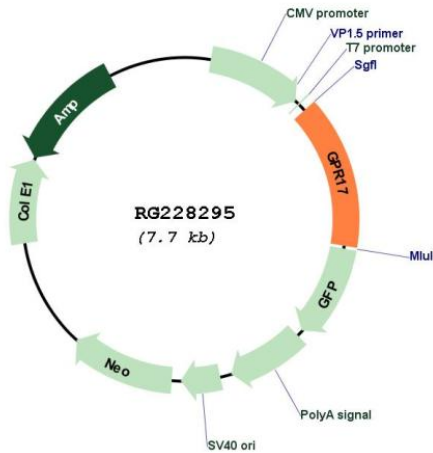
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001161415

ORF Size:	1101 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_001161415.1 , NP_001154887.1
RefSeq Size:	2609 bp
RefSeq ORF:	1104 bp
Locus ID:	2840
UniProt ID:	Q13304
Cytogenetics:	2q14.3
Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	Dual specificity receptor for uracil nucleotides and cysteinyl leukotrienes (CysLTs). Signals through G(i) and inhibition of adenylyl cyclase. May mediate brain damage by nucleotides and CysLTs following ischemia.[UniProtKB/Swiss-Prot Function]