

Product datasheet for **RG223552**

GPR128 (ADGRG7) (NM_032787) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR128 (ADGRG7) (NM_032787) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GPR128
Synonyms:	GPR128
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG223552 representing NM_032787
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTTCTGCCGTGCCTGGAACCTTAGGGTGTGGTGTGCTGTGCTGTGGACTACTGACTGGCATCA
TTTTGGGACTGGGCATCTGGAGGATTGTGATCAGGATCCAAAGAGGAAAACTACTTCTCATCAAGCAC
CCCTACAGAGTTCTGCAGGAATGGTGGAACTGGGAAAAATGGCAGATGTATTTGTACAGAAGAGTGGAAA
GGACTGAGATGTACAATTGCTAATTTTTGTGAAAAAGTACCTATATGGGTTTTACTTTTCCAGAAATCC
CAGTGGGCAGATATGGACCATCCTTGCAAAACATGTGGCAAGGATACTCCAAATGCGGGCAATCCAATGGC
AGTCCGGTTGTGCAGTCTCTCTATATGGAGAGATAGAATTACAAAAAGTGACAATAGGAAATTGCAAT
GAAAACTGGAAACCCTGGAAAAGCAGGTAGAGGATGTCACAGCACCCTTAATAACATTTCTTCTGAAG
TCCAGATTTTAAACATCTGATGCCAATAAATTAAGTCTGAGAATCACTAGTGTACCGGAGTGGTTGG
ACAGATATTCAACTTCCAGAAATGCTTACCTGAGGCAAAGAAAGTTGCCATAGTAACAGTGAGTCAA
CTCCTAGATGCCAGTGAAGATGCTTTTCAAAGAGTTGCTGCTACTGCTAATGATGATGCCCTTACAACGC
TTATTGAGCAAATGGAGACTTATTCCTTGTCTTTGGGTAAATCAATCAGTGGTGGAACTAACATAGCAAT
ACAGTCAGCAAATTTCTTTCAGAAAAATGCGGTGGGGCCTTCAAATGTTGCTTCTCTGTGCAGAAAAGGA
GCTAGCAGTTCTCTAGTTTCTAGTTCAACATTTATACATACAAATGTGGATGGCCTTAACCCAGATGCAC
AGACTGAGCTTCAGGTCTTGCTAATATGACGAAAAATACACCAAGACATGCGGCTTTGTAGTTTATCA
AAATGACAAGCTTTTCCAATCAAAAACCTTTACAGCTAAATCGGATTTTGTAGTCAAAAAATATCTCAAGC
AAAAGTCAAAAAAGCAAGGCAAGTCAAGTGTCTTCTGTTGACATGGTCTTTAGTCCAAAGTACAACCAAA
AAGAATTTCAACTCTATTCTCATGCCTGTGTCTATTGGAATTTGTCAGCGAAGGACTGGGACACATATGG
CTGTCAAAAAGCAAGGCACTGATGGATTCTGCGCTGCCGCTGCAACCATACTACTAATTTTGTCTGTA
TTAATGACTTTCAAAAAGGATTATCAATATCCCAAATCACTTGACATATTATCCAACGTTGGATGTGCAC
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AACTCCAATAAGAACTTGACAGACAAGTGTGGTGCATCAATAATATTGACTTTGACAATAATGACATAC
CCAGGACAGACACCATTAACATCCCGAATCCCATGTGCACTGCGATTGCCGCCTTACTGCACTATTTTCT
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CCTCTTCTCGCATTTTCACTTTTTCATCTCATTAAATGGATGGGGAGTCCCAGCTATAGTAGTGGCTA
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AATCTGCTGGCTGGCAATTCAGAACCCAAATGGTGTATAAAAAAGTCCGCTGTTGTGGTCAATTCATCGTA
CCTGTAACCATTATCCTCATCAGCAATGTTGTTATGTTTATTACAATCTCGATCAAAGTGTGTGGGAAGA
ATAACCAGAACCTGACAAGCACAAAAAAGTTTCCATGAAGAAGATTGTTAGCACATTATCTGTTGC
AGTTGTTTTTGAATTACCTGGATTCTAGCATACCTGATGCTAGTTAATGATGATAGCATCAGGATCGTC
TTCAGCTACATATTCTGCCTTTTCAACTACACAGGGATTGCAAATTTTATCCTGTACTGTTAGAA
CAAAAGTCTTCCAGAGTGAAGCTTCAAAGTGTGATGTTGCTATCGTCTATTGGGAGAAGGAAGTCATT
GCCTTCAGTGACGCGGCCGAGGCTGCGTGTAAAGATGTATAATTCCTCAGGTCATTGCCAACCTTACAT
GAACGCTTTAGGCTACTGAAACCTCTCCGAGTACTGAGGAAATCACACTCTCTGAAAGTGACAATGCAA
AGGAAAGCATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG223552 representing NM_032787
Red=Cloning site Green=Tags(s)

MASCRAWNLRLVAVVCGLLTGIIILGLGIWRIVIRIQRGKSTSSSSTPTEFCRNGGTWENGRICTEEWK
GLRCTIANFCENSTYMGFTFARIPVGRYGPSLQTCGKDTNAGNPMVRLCSLSLYGEIELQKVTIGNCN
ENLETLEKQVEDVTAPLNNISSEVQILSDANKLTAENITSATRVVGGQIFNTSRNASPEAKKVAIVTVSQ
LLDASEDAFQRVAATANDDALTTLIEQMETYSLSLGNQSVVEPNIAIQSANFSSENAVGPSNVRFSVQKG
ASSSLVSSSTFIHTNVDGLNPDAQTELQVLLNMTKNYTKCGFVVYQNDKLFQSKTFTAKSDFSQKIISS
KTDENEQDQSASVDMVFSPKYNQKEFQLYSYACVYWNLSAKDWDYGCQKDKGTDGFLRCRCNHHTTFAV
LMTFKKDYQYPKSLDILSNVGCALSVTGLALTVIFQIVTRKVRKTSVTWVLVNLCISMLIFNLLFVFGIE
NSNKNLQTSDDGINNIDFDNNDIPRTDTINIPNPMCTAIAALLHYFLLVFTWNALSAAQLYLLIRTMK
PLPRHFILFISLIGWVPAIVVAITVGVISQNGNPNQWELDYRQEKICWLAIPEPNGVIKSPLLWSFIV
PVTIILISNVVMFITISIKVLWKNQNLTSTKKVSSMKKIVSTLSVAVVFGITWILAYLMLVNDDSIRIV
FSYIFCLFNTTQGLQIFILYTVRTKVFQSEASKVLMMLSSIGRRKSLPSVTRPRLRVKMYNFLRSLPTLH
ERFRLLETSPSTEEITLSESDNAKESI

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_032787

ORF Size: 2391 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:

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_032787.1](#), [NP_116176.1](#)

RefSeq Size: 3070 bp

RefSeq ORF: 2394 bp

Locus ID: 84873

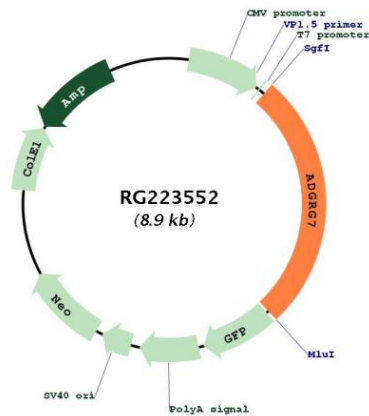
UniProt ID: [Q96K78](#)

Cytogenetics: 3q12.2

Protein Families: Druggable Genome, GPCR, Transmembrane

Gene Summary: Orphan receptor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG223552