

Product datasheet for **RC220157**

GPR155 (NM_001033045) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR155 (NM_001033045) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GPR155
Synonyms:	DEP.7; DEPDC3; PGR22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC220157 representing NM_001033045
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAATTCTAATTACCTGCAGAGAACTTAACCATTGCAGTCAATATGACCAAGACTTTGCCTACAGCAG
 TAACGCATGGATTAATTCCACTAATGACCCACCTTCAATGTCAATTACAAGCCTTTTCCAGCCTTACT
 GGAATGCTTTGGCATTGCTTTGTGGCTACATAGCAGGAAGGGCCAATGCATAACATCAACCCAGGCC
 AAAGGACTAGGAAATTTGTCTCCAGATTTGCACTTCCAGCTTTATTATTCAAAAACATGGTTGACTTAA
 ATTTTTCCAATGTGGACTGGTCTTCTATATAGTATCTTAATTGCCAAAGCTTCTGTATTTTTCTATTGT
 ATGTGTATTAACCTTATTGGTTGCCAGTCTGATAGTCGATTTAGCAAAGCTGGACTATTCCTATTTTT
 GCTACACAAAAGTAATGACTTTGCATTGGGATACCCTATAGTTGAAGCTTTATATCAAACATACATCCAG
 AATATCTCCAGTACATTTATTTGGTGGCACCAATATCTCTTATGATGTTAAACCTATAGGGTTATTTT
 CTGTGAAATCCAAAAGTGAAAGACACTCAAAATGCTTCTCAAAATAAAATAAAATTTGGGACTCGGA
 CTCTCGCTGATTACAGAACCCAAATAGTATTTATGGTCTTCATTGGCATCGCCTCAATTTTATCTTG
 ATCGAAAGGTACCTGTATATGTCGAAAATTTCTTGATGGACTTGGAAATCTTTTTCTGGATCAGCCCT
 ATTTTATCTTGGTCTCACGATGGTGGGAAAAATAAAGAGACTGAAGAAGTCGGCATTGTAGTACTAATT
 CTTCTCATCACAGCTAAACTTCTGGTGTGCCACTTCTGTGCAGAGAAATGGTGGAACTCTTGGACAAGG
 GCGACAGTGTGGTGAACCATACAAGTTTATCAAATATGCATTTCTGTATGGTGTATTTCTGTAGCACC
 AGGAGTGGCTATCTTTGCAACACAATTCACATGGAAGTAGAAATATAACCTCAGGGATGGTGATAAGC
 ACATTTGTGTCTGCTCCCATCATGTACGTTTCTGCCTGGTACTGACCTTCCCACTATGGACCCTAAGC
 CATTGGCATATGCCATCCAGAATGTTAGTTTTGATATAAGTATTGTCAGCCTGATCTCTTGATCTGGTC
 TCTGGCTATTCTCTTTTGGAGTAAGAAATATAAACAGCTTCTCTCATATGCTTACAACATAATTTACTCATT
 GCTCAGTCTATTGCTGTGCTGGAATGATGATATGGAATTTTGTAAAGAAAAAATTTTGTGGACAAA
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 TTTGTTCTTTTAAAAAGCGAGAGAGGGTACAAATCTCTGTTGGAATAATCATAATATCTGGCTGGGGA
 ATTCTGCTCTCCTTGTGGTGTCTTTTGATAACTGGAAAACACAATGGAGATAGCATTGACTCAGCCT
 TCTTTTATGAAAAGAACAGATGATCACACAGCAGTACCCTGTTCTGCAGCATCTGATAGCTGGCAT
 ATCCCTCATGTGCATGAACCAGACTGCCAAGCAGGAAGCTATGAAGTTTCGATCAGTCTCAGAGCCAC
 AAAGTGGTGGAGCCTGGAATACTGCTTTTGGAGAGTCCAGCACCAGTAAATGAACCAGAACTTTTTTA
 CAAGCTCTATTCCAGAAACAAGTTGCTGCTCCTGCTCCATGGGAAATGGTGAATTACACTGCCCATCAAT
 AGAGCCAATAGCAAAACAAGCACCAGTGAACCTGTGATTCTCTCGTTTGGAAAAACAATCATTGTGTG
 AGTCGCTGTAACCTCCAGAGCTGCATATTAGCCAGGAAGAAGAACAGTATCTACAGAGTGGAGACCAGC
 AACTGACCCGACATGTGTGCTGTGTTACTTCTCATATTGGCCTGTTCCGCTAATCTTTCCAGTTGTTT
 ATGGTGGCTATTCAACCAAGAGCCTGGAAGACTTATGTTGAGTTACAGTTTTTCTGTGCCGTGTTTAACT
 TTTGGTCAGGGATTTATTTCTTTGGAATCTTTGGATTAGATAAACATTTAATCATCCTGCCTTTCAAAA
 GAAGACTTGAATTCCTATGGAACAATAAAGACACAGCAGAAAACAGGGATTCTCCTGTTTCAGAGGAAAT
 AAAAATGACCTGTCAACAATTTATCCATTATCACCGTGACCTCTGTATCCGAAACATTGTCAAAGAAAGA
 AGGTGTGGTGCAAAGACTTCTGCTGGAATTTCTGTGGCTGTGACCTGGTGGAGCTGGCTAATTGAAGTCG
 GCCTTGCCTCCGACCGTGGTGAAGCTGTGATATACGGAGACAGGCTGGTACAAGGGGGAGTCATCCAACA
 TATTACCAACGAGTATGAATCCGGGATGAGTACTTGTTTTACAGATTTCTTCAAAGAGTCTGAAACAG
 AGTCTCTGCTATTAATGCAAACACTCTCCAACAGGAAAGATATAAAGAAATTGAGCATTATCCCCAC
 CCTCACATTCCCCTAAGACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC220157 representing NM_001033045
 Red=Cloning site Green=Tags(s)

MNSNLP AENLTI AVNMTKLTPTAVTHGFNSTNDPPSMSITRLFPALLECFGIVLCGYIAGRANVITSTQA
 KGLGNFVSRFALPALLFKNMVLNFSNVDWSFLYSILIAKASVFFIVCVLTLLVASPDSRFKAGLFP
 ATQSNDFALGYPIVEALYQTTYPEYLQYIYL VAPISLMMLNPIGFI FCEIQKWKDTQNASQNKIKIVGLG
 LLRVLQNPVFMVFIGIAFNFI LDRKVPVYVENFLDGLGNSFSGSALFYGLT MVGKIKRLKKS AFVLI
 LLITAKLLVLP LLLCREMVELLDKGD SVVNHTSLSNYAFLYGVFPVAPGVAIFATQFNMEVEIITSGMVIS
 TFVSAPIMYVSAWLLTFPTMDPKPLAYAIQNVSFDISIVSLISLIWLA ILLLSKYYKQLPHMLTNNLLI
 AQSIVCAGMMIWNFVKEKNFVGGQILVFVLLYSSLYSTYLWTGLLAISL FLLKKRERVQIPVGI IISGWG
 IPALLVGVLLITGKHNGDSIDSAFFYGKEQMITTAVTLFCSIL IAGISLMCMNQT AQAGSYEGFDQSQSH
 KVVEPGNTAF EESPAVNEPELFTSSIPETSCCSCSMGNGELHCP SIEPIANTSTSEPVIPSEKNNHCV
 SRCNSQSCILAQEEEQYLQSGDQQLTRHVLLCLLLIIGL FANLSSCLWLFNQEPGRLYVELQFFCAVFN
 FGQGFISFGIFGLDKHLIILPFKRRLEFLWNNKDTAENR DSPVSEEIKMTCQQFIHYHRDL CIRNIVKER
 RCGAKTSAGTFCGCDLVSWLIEVGLASDRGEAVIYGDRLVQGGVIQHITNEYEF RDEYLFYRFLQK SPEQ
 SPPAINANTLQ QERYKEIEHSSPPSHSPKT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2605_h05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

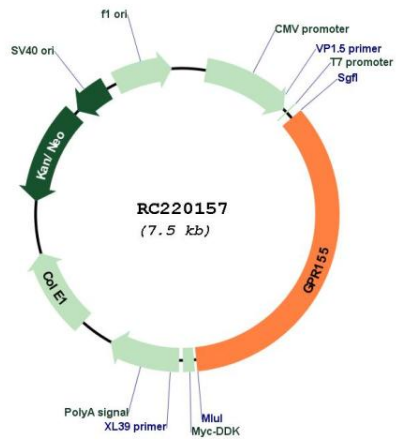
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:	NM_001033045
ORF Size:	2610 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_001033045.4
RefSeq Size:	7473 bp
RefSeq ORF:	2613 bp
Locus ID:	151556
UniProt ID:	Q7Z3F1
Cytogenetics:	2q31.1
Protein Families:	Druggable Genome, GPCR, Transmembrane
MW:	96.7 kDa

Product images:



Circular map for RC220157