

Product datasheet for **RG205812**

GERP (TRIM8) (NM_030912) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GERP (TRIM8) (NM_030912) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GERP
Synonyms:	GERP; RNF27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG205812 representing NM_030912
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGAGAATTGGAAGAACTGCTTCGAGGAGGAGCTCATCTGCCCTATCTGCCTGCACGTTTTCTGTGG
 AGCCAGTGCAGCTGCCGTGCAAACAACACTTCTGCCGGGGCTGCATCGGGGAGGCGTGGGCAAGGACAG
 CGGCCTCGTACGCTGCCAGAGTCAACACAGGCTACAACCAGAAGCCGGGCCTGGAGAAGAACCTGAAG
 CTCACCAACATCGTGGAGAAGTTCAATGCCCTGCACGTGGAGAAGCCCGCGGCGCTGCACTGCGTGT
 TCTGCCGCGCGGCCCGCTGCCCGCAGAAAGTCTGCCTGCGCTGCGAGGCGCCCTGCTGCCAGTC
 CCACGTGCAGACGCACCTGCAGCAGCCCTCCACCGCCCGGGCACCTCCTGGTGGAGGCGGACGACGTG
 CGGGCCTGGAGCTGCCCGCAGCACAACGCCCTACCCTCTACCACTGCGAGGCGGAGCAGGTGGCCGTGT
 GCCAGTACTGCTGCTACTACAGCGGCGGCATCAGGGACTCGGTGTGCGACGTGGAGATCCGAAGGAA
 TGAAATCCGGAAGATGCTCATGAAGCAGCAGGACCGGCTGGAGGAGCAGAGCAGGACATTGAGGACCAG
 CTGTACAAACTCGAGTCAGACAAGCGCCTGGTGGAGGAGAAAGTGAACCAACTGAAGGAGGAAGTTCGGC
 TGCACTACGAGAAGCTGCACCAGCTGCTGGACGAGGACCTGCGGCAGACAGTGGAGGTCCTAGACAAGGC
 CCAGGCCAAGTTCTGCAGCGAGAACGCAGCGCAGGCGCTGCACCTCGGGGAGCGCATGCAGGAGGCCAAG
 AAGCTGCTGGGCTCCCTGCAGCTGCTCTTTGATAAGACGGAGGATGTCAGCTTCAAGAACAACCAAGT
 CTGTGAAAATCCTGATGGACAGGACCCAGACCTGCACGAGCAGCAGCCTTTCCCCACTAAGATCGGCCA
 CCTGAACCTCAAGCTCTTCTGAACGAAGTGGCAAGAAGGAGAAGCAGCTGCGGAAAATGCTAGAAGGC
 CCCTTCAGCAGCGCGGTGCCCTTCTGCAGAGTGTCCCCTGTACCCTTGCAGGCTGAGCAGCTGTGGG
 CGGAAAAGCGCAAGCACTCAACCGCCTTCCAGAGGCCAGTTTCTAGAGACGTCGTGCGGCCCTGTGGG
 CGGCCAGTACGGGGCGGGCGGCACAGCCAGCGGTGAGGGCCAGTCTGGGCAGCCCTGGGGCCCTGCAGC
 TCCACGCAGCACTTGGTGGCCCTGCCGGCGGCGCCCAACCAAGTGCACCTAAGCCCGTGTTCGCCCAT
 CGCAGTATCCCAATGGCTCCGCCGCCAGCAGCCATGCTCCCCAGTATGGCGGCCGAAGATTCTCGT
 CTGTTCTGTGGACAACCTGTTACTGTTCTCCGTGGCCAACCATGGCGGCCACCAGCCCTACCCCCGCTCC
 GGCCACTTTCCTGGACAGTGCCTCGCAGGAGTACTCACACCCGCTCCCGCCACACCCCTCCGTCCTCC
 AGTCCCTTCCAGCCTGGCGGTGAGAGACTGGCTTACGCCTCCAGCAGCCCGGCCACCAGATTCTA
 CAGGGTGTATGGCAGCCGTCCACCAAACTACGTGACGAGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG205812 representing NM_030912
 Red=Cloning site Green=Tags(s)

MAENWKNCFEELICPICLHVFVEPVQLPCKHFCRGCIGEAWAKDSSLVRCPECNQAYNQKPLEKLNK
 LTNIVEKFNALHVEKPPAALHCVFCRRGPPLPAQKVCLRCEAPCCQSHVQTHLQQPSTARHLLVEADDV
 RAWSCPQHNAAYRLYHCEAEQVAVCQYCCYYSGAHQGHVCDVEIRRNEIRKMLMKQDRLEEREQDIEDQ
 LYKLESDKRLVEEKVNQLKEEVRQYKELHQLLDEDLRQTVEVLDKAQAKFCSENAQAHLGERMQEAK
 KLLGSLQLLFDKTEDVFMKNTSVKILMDRTQTCTSSSLSPTKIGHLNSKLFLENAKKEKQLRKMLEG
 PFSTPVPFLQSVPLYPGCVSSSGAEKRKHSTAFPEASFLETSSGPVGGQYGAAGTASGEGQSGQPLGPCS
 STQHLVALPGGAQPVHSSPVFPPSQYPNGSAAQPMPLPQYGRKILVCSVDNCYCSSVANHGGHQPYPRS
 GHFPWTVPSEQEYSHPLPPTSPVQSLPSLAVRDWLDASQQPGHQDFYRVYGPSTKHVYTS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_030912

ORF Size: 1653 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.

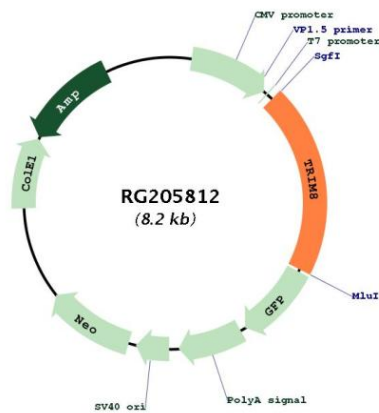
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:
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_030912.3](#)
RefSeq Size: 2645 bp
RefSeq ORF: 1656 bp
Locus ID: 81603
UniProt ID: [Q9BZR9](#)
Cytogenetics: 10q24.32
Domains: RING

Gene Summary: This gene encodes a member of the tripartite motif (TRIM) protein family. Based on similarities to other proteins, the encoded protein is suspected to be an E3 ubiquitin-protein ligase. Regulation of this gene may be altered in some cancers. Mutations resulting in a truncated protein product have been observed in early-onset epileptic encephalopathy (EOEE). [provided by RefSeq, Sep 2016]

Product images:



Circular map for RG205812