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Product datasheet for RC205812

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:	Myc-DDK
Symbol:	GERP
Synonyms:	GERP; RNF27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC205812 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGAGAATTGGAAGAACTGCTTCGAGGAGGAGCTCATCTGCCCTATCTGCCTGCACGTTTTCGTGG
AGCCAGTGCAGCTGCCGTGCAAACACAACTTCTGCCGGGGCTGCATCGGCGAGGCGTGGGCCAAGGACAG
CGGCCTCGTACGCTGCCCAGAGTGCAACCAGGCCTACAACCAGAAGCCGGGCCTGGAGAAGAACCTGAAG
CTCACCAACATCGTGGAGAAGTTCAATGCCCTGCACGTGGAGAAGCCGCCGGCGGCGCTGCACTGCGTGT
TCTGCCGCCGCGGCCCCCCGCTGCCCGCGCAGAAGGTCTGCCTGCGCTGCGAGGCGCCCTGCTGCCAGTC
CCACGTGCAGACGCACCTGCAGCAGCCCTCCACCGCCCGCGGGCACCTCCTGGTGGAGGCGGACGACGTG
CGGGCCTGGAGCTGCCCGCAGCACAACGCCTACCGCCTCTACCACTGCGAGGCCGAGCAGGTGGCCGTGT
GCCAGTACTGCTGCTACTACAGCGGCGCGCATCAGGGACACTCGGTGTGCGACGTGGAGATCCGAAGGAA
TGAAATCCGGAAGATGCTCATGAAGCAGCAGGACCGGCTGGAGGAGCGAGAGCAGGACATTGAGGACCAG
CTGTACAAACTCGAGTCAGACAAGCGCCTGGTGGAGGAGAAAGTGAACCAACTGAAGGAGGAAGTTCGGC
TGCAGTACGAGAAGCTGCACCAGCTGCTGGACGAGGACCTGCGGCAGACAGTGGAGGTCCTAGACAAGGC
CCAGGCCAAGTTCTGCAGCGAGAACGCAGCGCAGGCGCTGCACCTCGGGGAGCGCATGCAGGAGGCCAAG
AAGCTGCTGGGCTCCCTGCAGCTGCTCTTTGATAAGACGGAGGATGTCAGCTTCATGAAGAACACCAAGT
CTGTGAAAATCCTGATGGACAGGACCCAGACCTGCACGAGCAGCAGCCTTTCCCCCACTAAGATCGGCCA
CCTGAACTCCAAGCTCTTCCTGAACGAAGTGGCCAAGAAGGAGAAGCAGCTGCGGAAAATGCTAGAAGGC
CCCTTCAGCACGCCGGTGCCCTTCCTGCAGAGTGTCCCCCTGTACCCTTGCGGCGTGAGCAGCTCTGGGG
CGGAAAAGCGCAAGCACTCAACGGCCTTCCCAGAGGCCAGTTTCCTAGAGACGTCGTCGGGCCCTGTGGG
CGGCCAGTACGGGGCGGCGGGCACAGCCAGCGGTGAGGGCCAGTCTGGGCAGCCCCTGGGGCCCTGCAGC
TCCACGCAGCACTTGGTGGCCCTGCCGGGCGGCGCCCAACCAGTGCACTCAAGCCCCGTGTTCCCCCCAT
CGCAGTATCCCAATGGCTCCGCCGCCCAGCAGCCCATGCTCCCCCAGTATGGCGGCCGCAAGATTCTCGT
CTGTTCTGTGGACAACTGTTACTGTTCTTCCGTGGCCAACCATGGCGGCCACCAGCCCTACCCCCGCTCC
GGCCACTTTCCCTGGACAGTGCCCTCGCAGGAGTACTCACACCCGCTCCCGCCCACACCCTCCGTCCCCC
AGTCCCTTCCCAGCCTGGCGGTCAGAGACTGGCTTGACGCCTCCCAGCAGCCCGGCCACCAGGATTTCTA
CAGGGTGTATGGGCAGCCGTCCACCAAACACTACGTGACGAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205812 protein sequence
Red=Cloning site Green=Tags(s)

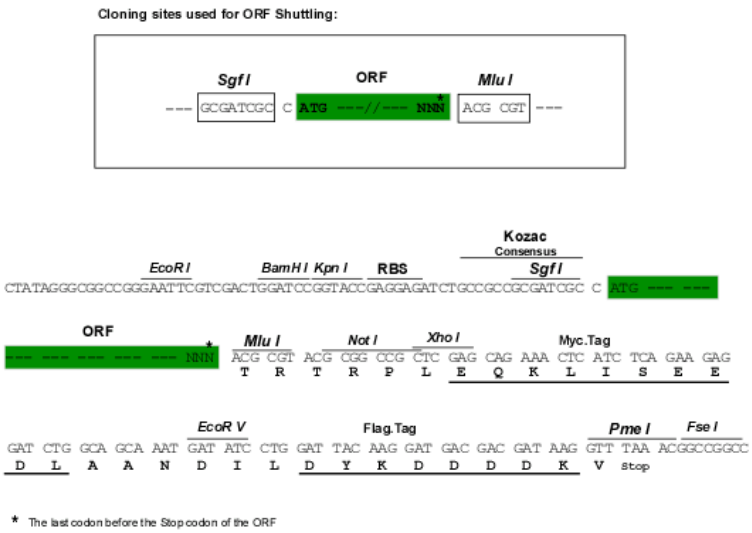
MAENWKNCFEEELICPICLHVFVEPVQLPCKHNFCRGCIGEAWAKDSGLVRCPECNQAYNQKPGLEKNLK
LTNIVEKFNALHVEKPPAALHCVFCRRGPPLPAQKVCLRCEAPCCQSHVQTHLQQPSTARGHLLVEADDV
RAWSCPQHNAYRLYHCEAEQVAVCQYCCYYSGAHQGHSVCDVEIRRNEIRKMLMKQQDRLEEREQDIEDQ
LYKLESDKRLVEEKVNQLKEEVRLQYEKLHQLLDEDLRQTVEVLDKAQAKFCSENAAQALHLGERMQEAK
KLLGSLQLLFDKTEDVSFMKNTKSVKILMDRTQTCTSSSLSPTKIGHLNSKLFLNEVAKKEKQLRKMLEG
PFSTPVPFLQSVPLYPCGVSSSGAEKRKHSTAFPEASFLETSSGPVGGQYGAAGTASGEGQSGQPLGPCS
STQHLVALPGGAQPVHSSPVFPPSQYPNGSAAQQPMLPQYGGRKILVCSVDNCYCSSVANHGGHQPYPRS
GHFPWTVPSQEYSHPLPPTPSVPQSLPSLAVRDWLDASQQPGHQDFYRVYGQPSTKHYVTS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6177_b02.zip

Restriction Sites: SgfI-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.

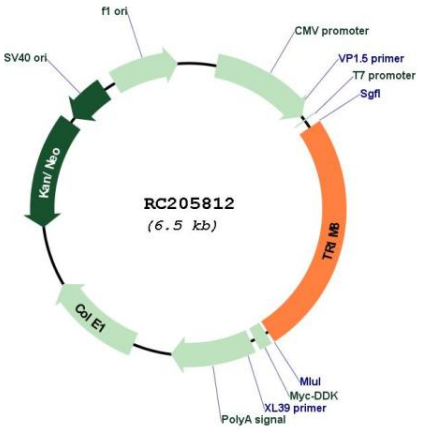
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.

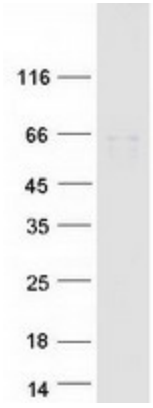
RefSeq: NM_030912.3

RefSeq Size:	2753 bp
RefSeq ORF:	1656 bp
Locus ID:	81603
UniProt ID:	Q9BZR9
Cytogenetics:	10q24.32
Domains:	RING
MW:	61.5 kDa
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 RC205812



Coomassie blue staining of purified TRIM8 protein (Cat# [TP305812]). The protein was produced from HEK293T cells transfected with TRIM8 cDNA clone (Cat# RC205812) using MegaTran 2.0 (Cat# [TT210002]).