

Product datasheet for RR211553

Gfer (NM_013222) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gfer (NM_013222) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gfer
Synonyms: ALR
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211553 representing NM_013222
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGCGCCAGCGAACCCGAGGTTCCCTCGCGGCAGTCGTTCTCCTTCTGCGGGCGGCGGC
 ACTCGGAGATGACCGACGACCTGGTGACTGACGCGGGGCGCGGCGCAAGGCATAGAAAAGACAACGC
 CCCTGCCGCGCCCGGGCGCCGAAAGGTTGGAGCACGGGAAGCGACCGTGCCGGGCTCGGTGGACTTC
 AAGTCGTGGATGCGGACCCAGCAGAAGCGGGACATCAAGTTTAGGGAGGACTGTCCACAGGATCGGGAA
 AATTGGGTGCGAACACCTGGGCTTTCCTTCATACGCTGGCCGCTATTACCCGGACATGCCACGCCAGA
 ACAACAGCAGGATATGGCCAGTTCATACATATATTTTCCAAGTTTTACCCTGTGAGGAGTGTGCAGAA
 GACATAAGGAAGAGGATAGACAGGAGCCAGCCAGACACAAGCACTCGAGTGTCTTCAGCCAGTGGCTGT
 GCCGCCTTCAATGAAGTGAACCGGAAGCTGGGCAAGCTGATTTTGACTGCTCAAGAGTTGATGAGCG
 ATGGCGTGACGGCTGGAAGGACGGCTCCTGTGAC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR211553 representing NM_013222
 Red=Cloning site Green=Tags(s)

MAAPSEPAAGFPRGSRFSFLPGGAHSEMTDDLVTDARGRGARHRKDNAPAAAPAPKGLEHGKRPCRACVDF
 KSWMRTQQKRDIKFREDCPQDREELGRNTWAFHLTLAAAYPDMP TPEQQQDMAQFIHIFSKFYPCIECAE
 DIRKRIDRSQPDSTRVSFSQWLCRLHNEVNRKLGKPDFDCSRVDERWRDGWKDGSCD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

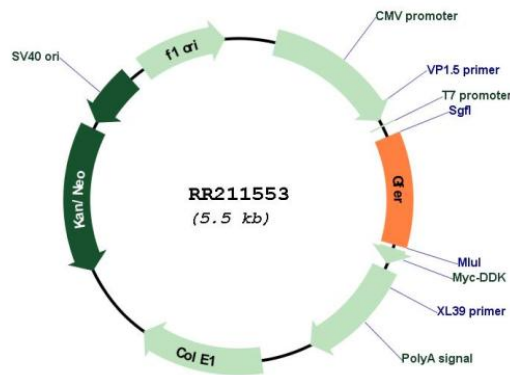


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Cloning Scheme:



Plasmid Map:



ACCN: NM_013222

ORF Size: 594 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_013222.2](#), [NP_037354.2](#)

RefSeq Size: 1227 bp

RefSeq ORF: 597 bp

Locus ID: 27100

UniProt ID: [Q63042](#)

Cytogenetics: 10q12

MW: 22.8 kDa

Gene Summary: protein that augments liver regeneration [RGD, Feb 2006]