

Product datasheet for **RR211631**

Gchfr (NM_133595) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gchfr (NM_133595) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gchfr
Synonyms: MGC108604
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211631 representing NM_133595
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCCTACCTGCTCATCAGCACTCAGATCCGTATGGAAGTGGGTCCCACCATGGTGGGTGATGAGCACT
CGGATCCAGAGCTGATGCAGCAGTTGGGGCCTCAAGAGACGAGTCCTGGGAAACAACCTTTATGAATA
CTACGTCAATGACCCTCCTCGAATAGTCTGGACAAGCTGGAATGCAGGGGCTTCCGAGTGTTAAGCATG
ACAGGGGTGGCCAGACGCTGGTGTGGTGTCTGCACAAGGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR211631 representing NM_133595
Red=Cloning site Green=Tags(s)

MPYLLISTQIRMEVGPTMVGDEHSDPELMQQLGASKRRVLGNFYEYYVNDPPRIVLDKLECRGFRVLSM
TGVGQTLVWCLHKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

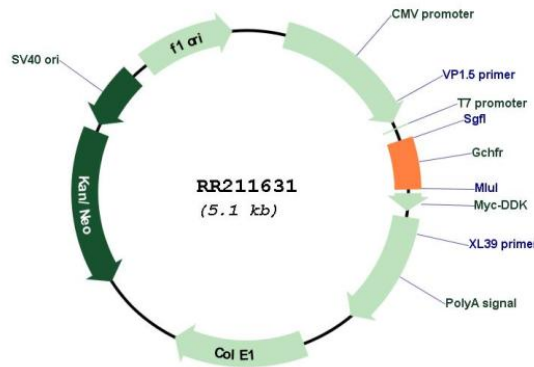


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM_133595

ORF Size: 252 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:	<u>NM_133595.2</u> , <u>NP_598279.1</u>
RefSeq Size:	631 bp
RefSeq ORF:	255 bp
Locus ID:	171128
UniProt ID:	<u>P70552</u>
Cytogenetics:	3q35
MW:	9.7 kDa
Gene Summary:	regulates activity of GTP cyclohydrolase I (Gch); may be involved with phenylalanine metabolism [RGD, Feb 2006]