

Product datasheet for **MG200173**

Gchfr (NM_177157) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gchfr (NM_177157) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Gchfr
Synonyms: 2010323F13Rik; GFRP; P35
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200173 representing NM_177157
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCCTATCTGCTCATCAGCACTCAGATCCGTATGGAGGTGGGCCCCACCATGGTGGGTGATGAACACT
 CGGATCCGGAGCTGATGCAGCACCTGGGGCCTCCAAGAGAAGTGTCTTGGAAACAACCTTTTACGAATA
 CTACGTCAACGACCCTCCTCGCATAGTCTGGACAAGCTGGAATGCAAGGGCTCCGAGTCTGAGCATG
 ACAGGGTGGCCAGACGCTGGTGTGGTCTGCACAAGGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200173 representing NM_177157
 Red=Cloning site Green=Tags(s)
 MPYLLISTQIRMEVGPTMVGDEHSDPELMQHLGASKRSVLGNNFYEYYVNDPPRIVLDKLECKGFRVLSM
 TGVGQTLVWCLHKE

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

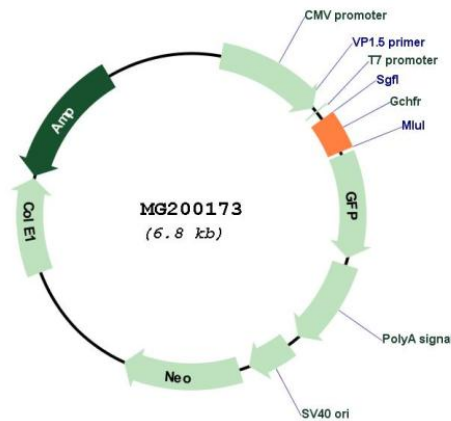


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM_177157

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:	NM_177157.4 , NP_796131.1
RefSeq Size:	629 bp
RefSeq ORF:	255 bp
Locus ID:	320415
UniProt ID:	P99025
Cytogenetics:	2 E5
Gene Summary:	Mediates tetrahydrobiopterin inhibition of GTP cyclohydrolase 1. This inhibition is reversed by L-phenylalanine (By similarity).[UniProtKB/Swiss-Prot Function]