

## **Product datasheet for MR200173**

## Gchfr (NM\_177157) Mouse Tagged ORF Clone

### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** Gchfr (NM\_177157) Mouse Tagged ORF Clone

Tag: Myc-DDK

Symbol: Gchfr

**Synonyms:** 2010323F13Rik; GFRP; P35

Mammalian Cell

Selection:

Neomycin

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >MR200173 representing NM\_177157

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ACAGGGGTGGCCAGACGCTGGTGTGTGTCTGCACAAGGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR200173 representing NM\_177157

Red=Cloning site Green=Tags(s)

 ${\tt MPYLLISTQIRMEVGPTMVGDEHSDPELMQHLGASKRSVLGNNFYEYYVNDPPRIVLDKLECKGFRVLSM}$ 

TGVGQTLVWCLHKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: <a href="https://cdn.origene.com/chromatograms/mm9054">https://cdn.origene.com/chromatograms/mm9054</a> e02.zip

Restriction Sites: Sgfl-Mlul



**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

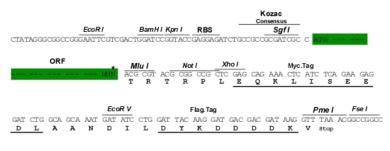
CN: techsupport@origene.cn

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#### **Cloning Scheme:**





<sup>\*</sup> The last codon before the Stop codon of the ORF

**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:** 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 177157.4</u>, <u>NP 796131.1</u>

RefSeq Size: 629 bp
RefSeq ORF: 255 bp
Locus ID: 320415



 UniProt ID:
 P99025

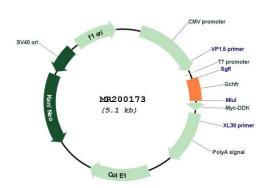
 Cytogenetics:
 2 E5

 MW:
 9.6 kDa

**Gene Summary:** Mediates tetrahydrobiopterin inhibition of GTP cyclohydrolase 1. This inhibition is reversed by

L-phenylalanine (By similarity).[UniProtKB/Swiss-Prot Function]

# **Product images:**



Circular map for MR200173