

## Product datasheet for **RG200963**

### GRHPR (NM\_012203) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GRHPR (NM_012203) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GRHPR
Synonyms:	GLXR; GLYD; PH2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200963 representing NM_012203 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGACCGGTGCGACTCATGAAGGTGTTCTGACCCCGCAGGATACCCGCCGAGGGTAGGGTCGCGCTCG  
CCCGGGCGGCAGACTGTGAGGTGGAGCAGTGGACTCGGATGAGCCCATCCCTGCCAAGGAGCTAGAGCG  
AGGTGTGGCGGGGCCACGGCCTGCTCTGCTCCTCTCCGACCACGTGGACAAGAGGATCCTGGATGCT  
GCAGGGGCCAATCTCAAAGTCATCAGCACCATGTCTGTGGGCATCGACCCTGGCTTTGGATGAAATCA  
AGAAGCGTGGATCCGAGTTGGCTACACCCAGATGTCCTGACAGATACCACCGCGAATCGCAGTCTC  
CCTGCTACTTACCACCTGCCGCCGTTGCCGAGGCCATCGAGGAAGTGAAGAATGGTGGCTGGACCTCG  
TGGAAAGCCCTCTGGCTGTGTGGCTATGGACTCACGCAGAGCACTGTCGGCATCATCGGGCTGGGGCGCA  
TAGGCCAGGCCATTGCTCGGCGTCTGAAACCATTCGGTGTCCAGAGATTTCTGTACACAGGGCGCCAGCC  
CAGGCCTGAGGAAGCAGCGGAATTCAGGCAGAGTTTGTGTCTACCCCTGAGCTGGCTGCCCAATCTGAT  
TTCATCGTCGTGGCCTGCTCCTAACACCTGCAACCGAGGGACTCTGCAACAAGGACTTCTTCCAGAAGA  
TGAAGGAAACAGCTGTGTTTCATCAACATCAGCAGGGGCGACGTCGTAACAGGACGACCTGTACCAGGC  
CTTGGCCAGTGGTAAGATTGCAGCTGCTGGACTGGATGTGACGAGCCAGAACCCTGCCTACAAACCAC  
CCTCTCCTGACCCTGAAGAACTGTGATTCTGCCACATTGGCAGTGCCACCCACAGAACCAGCAACA  
CCATGTCCTTGTGGCAGCTAACAACTGCTGGCTGGCCTGAGAGGGGAGCCGATGCCTAGTGAACCTCAA  
GCTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

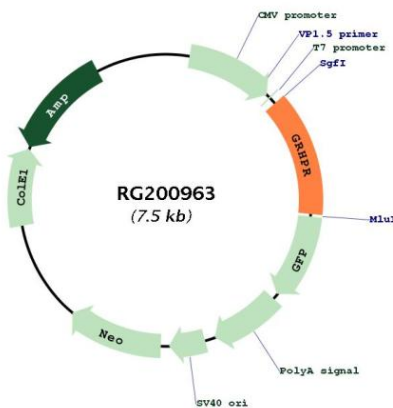


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Reconstitution Method:	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
RefSeq:	<a href="#">NM_012203.1</a> , <a href="#">NP_036335.1</a>
RefSeq Size:	1235 bp
RefSeq ORF:	987 bp
Locus ID:	9380
UniProt ID:	<a href="#">Q9UBQ7</a>
Cytogenetics:	9p13.2
Domains:	2-Hacid_DH, 2-Hacid_DH_C
Protein Families:	Druggable Genome
Protein Pathways:	Glyoxylate and dicarboxylate metabolism, Metabolic pathways, Pyruvate metabolism
Gene Summary:	This gene encodes an enzyme with hydroxypyruvate reductase, glyoxylate reductase, and D-glycerate dehydrogenase enzymatic activities. The enzyme has widespread tissue expression and has a role in metabolism. Type II hyperoxaluria is caused by mutations in this gene. [provided by RefSeq, Jul 2008]

## Product images:



Circular map for RG200963