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Product datasheet for SC320204

GRHPR (NM_012203) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRHPR (NM_012203) Human Untagged Clone
Tag:	Tag Free
Symbol:	GRHPR
Synonyms:	GLXR; GLYD; PH2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_012203.1 GGTCGGCGGCTGCACTGCGGATGAGACCGGTGCGACTCATGAAGGTGTTCGTCACCCGCA GGATACCCGCCGAGGGTAGGGTCGCGCTCGCCCGGGCGGCAGACTGTGAGGTGGAGCAGT GGGACTCGGATGAGCCCATCCCTGCCAAGGAGCTAGAGCGAGGTGTGGCGGGGGCCCACG GCCTGCTCTGCCTCCTCTCCGACCACGTGGACAAGAGGATCCTGGATGCTGCAGGGGCCA ATCTCAAAGTCATCAGCACCATGTCTGTGGGCATCGACCACTTGGCTTTGGATGAAATCA AGAAGCGTGGGATCCGAGTTGGCTACACCCCAGATGTCCTGACAGATACCACCGCCGAAC TCGCAGTCTCCCTGCTACTTACCACCTGCCGCCGGTTGCCGGAGGCCATCGAGGAAGTGA AGAATGGTGGCTGGACCTCGTGGAAGCCCCTCTGGCTGTGTGGCTATGGACTCACGCAGA GCACTGTCGGCATCATCGGGCTGGGGCGCATAGGCCAGGCCATTGCTCGGCGTCTGAAAC CATTCGGTGTCCAGAGATTTCTGTACACAGGGCGCCAGCCCAGGCCTGAGGAAGCAGCGG AATTCCAGGCAGAGTTTGTGTCTACCCCTGAGCTGGCTGCCCAATCTGATTTCATCGTCG TGGCCTGCTCCTTAACACCTGCAACCGAGGGACTCTGCAACAAGGACTTCTTCCAGAAGA TGAAGGAAACAGCTGTGTTCATCAACATCAGCAGGGGCGACGTCGTAAACCAGGACGACC TGTACCAGGCCTTGGCCAGTGGTAAGATTGCAGCTGCTGGACTGGATGTGACGAGCCCAG AACCACTGCCTACAAACCACCCTCTCCTGACCCTGAAGAACTGTGTGATTCTGCCCCACA TTGGCAGTGCCACCCACAGAACCCGCAACACCATGTCCTTGTTGGCAGCTAACAACTTGC TGGCTGGCCTGAGAGGGGAGCCGATGCCTAGTGAACTCAAGCTGTAGCCAAACAGTAGAG ATGGAGGGCCGGGAAGCAAACCGTGCCCTGGTATTGTCAGACACACCCAGGCTTGATTTG GATCCACAGGCAGAGCCAAGGGAAGGTGTGATTCTCTGAGGAAAGAGTGATTCTGATATA TGTACTTGTCACATTGGTGTTGGACACATTTGCGCCAAAAGTATGGTAATTCTATTATTA AATAATTCTCTGAGAAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	Please inquire
ACCN:	NM_012203

View online »

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_012203.1, NP_036335.1
RefSeq Size:	1235 bp
RefSeq ORF:	987 bp
Locus ID:	9380
UniProt ID:	Q9UBQ7
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]