

Product datasheet for MR204811

Grhpr (NM_080289) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grhpr (NM_080289) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Grhpr
Synonyms:	1110059D05Rik; 6430629L09Rik; Glxr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204811 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAACCGCGCGACTCATGAAGGTGTTCTGCTACTGGCCGTTGCCTGCCGAGGGCAGGGCTGCGCTCG
CCCAGGCCGAGACTGTGAGGTGGAACAGTGAATTTCGGATGACCCCATCCCAGAAAGGATCTGGAGCA
AGGTGTGGTGGGGGCCATGGCTTGCTCTGCCCTCTCTGACCGTGTGGACAAGAACTTCTGGATGCC
GCAGGAGCCAACCTCAGAGTCATCAGCACCTTGTCTGTGGGGTTCGACCACTTGGCTTTGGATGAAATCA
AGAAGCGCGGGATCCGGGTGGGTACACGCCAGGTGCTCTGACAGATGCCACTGCAGAACTCGCCGTCTC
CCTCCTCCTACCACTGCCGCCGTTGCCGGAGGCCATAGAGGAAGTGAAGAACGGCGGCTGGAGCTCC
TGGAGCCATTATGGATGTGCGGCTACGGACTCTCGCAGAGCACTGTTGGCATTGTGGGGCTGGGGCGCA
TAGGTACAGCCATCGCTCGACGACTGAAACCATTCGGTGTCCAGAGATTTCTTTACACGGGGCGCCAGCC
CAGGCCTCAGGAAGCAGCCGAGTTTCAGGCAGAGTTTGTGCTATTGCTCAGCTGGCCGAGAGTCAGAC
TTCATTGTGCTGCTGCTCCTAACACCCGATACCATGGGGCTCTGCAGCAAGGATTTCTTCCAGAAGA
TGAAGAACACAGCTATCTTCATCAACATCAGCAGAGGAGATGTGGTAAACCAGGAAGACCTGTACCAGGC
ACTAGCCAGTGGTCAGATTGCAGCAGCGGGACTGGATGTGACCACCCCTGAACCACTGCCTCCGAGCCAC
CCCCTGCTGACCCTCAAGAACTGCGTGATCCTGCCACATTGGCAGTGCCACCTACAAAACCTCGCAACA
CCATGTCCTTGTGGCGGCTAACAACTTGTCTGGCTGGCCTAAGAGGGGAGGCCATGCCAGCGAACTCAA
GCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_080289.2](#)

RefSeq Size: 1253 bp

RefSeq ORF: 987 bp

Locus ID: 76238

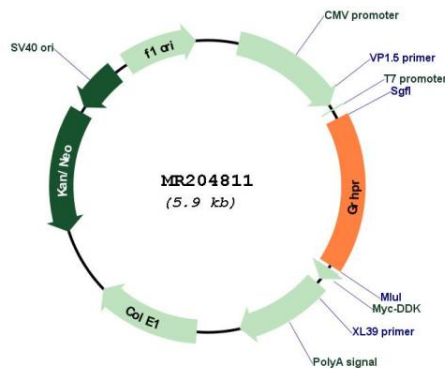
UniProt ID: [Q91Z53](#)

Cytogenetics: 4 B1

MW: 35.3 kDa

Gene Summary: This gene encodes a member of the D-isomer specific 2-hydroxyacid dehydrogenase family of proteins. The encoded protein catalyzes three enzymatic reactions: the conversion of hydroxypyruvate to D-glycerate as well as the reverse reaction, and the conversion of glyoxylate to glycolate. Homozygous knockout mice exhibit elevated synthesis of oxalate and glycerate. [provided by RefSeq, Aug 2015]

Product images:



Circular map for MR204811