

## Product datasheet for **RN207374**

### **Idh3g (NM\_031551) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Idh3g (NM\_031551) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Idh3g  
**Synonyms:** IDH  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN207374 representing NM\_031551  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCGCTGAAGGTGGCGATAGCTGCTGGCAGTGTGCAAAGGCAATATCAAGCCAGCTCTCTCTGCC  
GTCCTTGGGAGGTTCTGGCTGCCATGAGGCCCCCGAAGGAGCATTTCCTCACAACAAACAATTCCTCC  
GTCTGCTAAGTATGGTGGGCGGCATACAGTGACTATGATTCCAGGGGATGGCATCGGCCCGGAGCTCATG  
TTGCATGTTAAGTCGGTATTCAGGCATGCATGTGTGCCAGTGGACTTTGAAGAGGTGCATGTAAGCTCCA  
ACGCTGATGAGGAGGACATCCGCAATGCCATCATGGCCATCCGCCGGAACCGTGTGGCTCTAAAGGGCAA  
CATCGAAACAAATCATAACTTGCCACCATCCCACAAATCCCGAACAACATCCTTCGTACCAGCCTAGAC  
CTCTATGCCAACGTCATCCACTGTAAGAGTCTGCCAGGAGTGGTGACCCGGCACAAGGACATAGACATCC  
TCATTGTGCGGGAAAACACAGAAGGCGAGTACAGCAGCCTGGAGCATGAGAGTGTAGCAGGAGTGGTGG  
GAGCTTGAAGATTATACCAAAGCCAAGTCCCTGCGCATTGCTGAATATGCTTTCAAGCTGGCCAGGAG  
AGTGGGCGTAAGAAAGTGACGGCTGTGCACAAGGCCAACATCATGAACTGGGTGATGGACTCTTCTCC  
AGTGTTCAGGGAAGTGGCAGCCCGCTACCCTCAGATCACCTTTGATAGCATGATTGTGGACAACAAC  
AATGCAGCTGGTATCCCGCCTCAGCAGTTTGATGTCATGGTATGCCTAATCTCTATGGTAACATTGTC  
AACAACTGTGTGAGGGCTAGTTGGAGGCCAGGCCCTGTGGCTGGGGCCAACATGGCCATGTGTATG  
CAGTATTCGAGACAGCTACAAGGAACACAGGCAAAAGTATTGCCAATAAGAACATTGCTAACCTACTGC  
CACATTGTAGCAAGTTGCATGATGCTAGACCCTCAAGCTCCATTCTATGCCACCTCCATCCGAAAA  
GCTGTCTTAGCATCCATGGACAATGAAAATATGCATACCCAGACATTGGAGGCCAGGCCACCACATCCC  
AAGCCATCCAGGACATTCGTCACATCCGCATCATAATGGACGGGCTGTGGAGGCC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



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<b>ACCN:</b>	NM_031551
<b>Insert Size:</b>	1182 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<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>
<b>RefSeq:</b>	<u>NM_031551.1, NP_113739.1</u>
<b>RefSeq Size:</b>	1371 bp
<b>RefSeq ORF:</b>	1182 bp
<b>Locus ID:</b>	25179
<b>Cytogenetics:</b>	Xq37
<b>Gene Summary:</b>	gamma subunit of NAD(+)-isocitrate dehydrogenase, which catalyzes oxidative decarboxylation of citrate, and may function in the TCA cycle [RGD, Feb 2006]