

## Product datasheet for **RN204014**

### **Idh2 (NM\_001014161) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Idh2 (NM\_001014161) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Idh2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN204014 representing NM\_001014161  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCGGCTATCTGCGGGCCGTGAGCTCGCTCTGCAGAGCCTCGGGCTCAACACGGACCTGGGCACCGG  
 CTGCACTGAATGTCCCCAGCTGGCCGGAGCAGCCGCGGCCACTATGCTGAGAAGAGAATCAAGTGGA  
 GAAGCCGGTGGTGGAGATGGATGGCGATGAGATGACCCGGATCATCTGGCAGTTCATCAAGGAGAAGCTC  
 ATCCTGCCTCACGTGGATGTCCAGCTCAAGTATTTTGACCTTGGGCTTCCAAACCGTGACCAGACCAATG  
 ACCAGGTCAACATCGACTCTGCGCTGGCCACTCAGAAGTACAGTGTGGCTGTTAAGTGTGCTACAATCAC  
 CCCCAGTGAAGCCGTGTGGAAGAGTTCAGCTGAAGAAAATGTGGAAGAGCCCTAACGAACTATCCGT  
 AACATCCTTGGGGAAACGGTCTTCAGAGAGCCAATTATCTGCAAAAATATCCCCCGCCTTGTCCCTGGCT  
 GGACCAAGCCCATCACCATTGGCAGACACGCCATGGCGACCAGTACAAGCCACAGATTTTGTGGTAGA  
 TCGAGCTGGCATGTTCAAGTTGGTCTTACCCCAAAGGATGGCAGTGGTCCAAGGAGTGGGAGGTGAT  
 AACTTCCCTGCCGAGGCGTTGGTATGGGGATGTACAACACCGACGAGTCCATTTCCGGCTTCGCGCACA  
 GCTGCTTCCAGTACTCTATCCAGAAGAAATGGCCGCTCTACTTGAGCACCAAGAACCATTATGAAGGC  
 CTATGACGGGCGTTTCAAGGACATCTTCCAGGAGATCTTGAACAAGCACTATAAGACTGACTTTGACAAG  
 AATAAGATCTGGTACGAGCATCGGCTCATTGACGACATGGTGGCTCAGGTGCTCAAGTCTCCGGTGGCT  
 TTGTGTGGCCTGCAAGAACTATGACGGAGATGTACAGTCTGACATCCTGGCTCAAGGATTTGGCTCCCT  
 TGGCCTGATGACATCTGTGCTGGTCTGCCTGACGGGAAGACCATTGAAGCTGAGGCTGCTCACGGGACA  
 GTCACCCGCCACTACCGAGAACCAGAAAGGGCCGCCACCAGTACCAACCCTATTGCCAGCATCTTTG  
 CCTGGACACGGGGTCTGGAGCATCGAGGGAAGCTGGATGGGAACCAGGACCTCATCAGTTTGCACAGAC  
 TCTGGAGAAGGTGCGTGCAGACTGTGGAGAGCGGAGCTATGACCAAGGACCTGGCTGGCTGCATCCAT  
 GGCTCAGCAATGTGAAGCTGAATGAGCACTTCTTGAACACCACAGACTTCTGGACACCATTAAGAGCA  
 ACCTGGACAGAGCTCTGGCAAGCAGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001014161
<b>Insert Size:</b>	1359 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><a href="#">NM_001014161.1</a></u> , <u><a href="#">NP_001014183.1</a></u>
<b>RefSeq Size:</b>	1695 bp
<b>RefSeq ORF:</b>	1359 bp
<b>Locus ID:</b>	361596
<b>UniProt ID:</b>	<u><a href="#">P56574</a></u>
<b>Cytogenetics:</b>	1q31
<b>Gene Summary:</b>	Plays a role in intermediary metabolism and energy production. It may tightly associate or interact with the pyruvate dehydrogenase complex (By similarity).[UniProtKB/Swiss-Prot Function]