

Product datasheet for RN213230

Idh3a (NM_053638) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Idh3a (NM_053638) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Idh3a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN213230 representing NM_053638 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGGCCGGGTCGCGTGGGTGTCCAAGTCTCTCGGCTGCTGGTGCCTCCACAACACAAAACAGGTGA
CAAGAGGTTTTGCTGGTGGCGTTCAGACAGTAACCTAATTCCTGGAGATGGAATGGCCCAGAAATTC
AGCCTCAGTTATGAAGATTTTTGATGCCGCCAAAGCACCTATTCAGTGGGAGGAGCGGAACGTCACAGCG
ATTCAAGGACCAGGAGGAAAGTGGATGATCCCTCCAGAAGCCAAAGAGTCCATGGATAAGAACAAGATGG
GCTTAAAAGGCCCACTGAAGACCCCAATAGCAGCTGGCCATCCATCTATGAATCTGTTGCTTCGTAAGAC
ATTTGATCTTTATGCCAATGTCCGGCCATGTGTCTCAATTGAAGGTTACAAAACCCCTTACACAGATGTA
AATATTGTCAACATCCGAGAGAACACAGAAGGAGAATACAGTGAATGAGCATGTGATCGTCGATGGGG
TTGTGCAGAGCATCAAGCTCATCACTGAAGGAGCAAGCAAGCGCATTGCCGAGTTTGCCTTTGAGTACGC
GAGGAACAACCACAGGAGCAATGTCACAGCTGTGCACAAGGCCAACATCATGAGGATGTCAGATGGGCTC
TTTCTGCAAAAAATGCAGGAAGTTGCAGAGAAGTAAAGACATTAAGTTAATGAGATGTACCTCGACA
CTGTATGTTTGAATATGGTACAAGACCCGTCAGTTCGATGTTCTTGTGATGCCAAATTTATATGGAGA
CATCCTTAGTGATCTGTGTGACGACTGATTGGAGGCTTGGTGTGACTCAAAGTGGCAATATTGGAGCC
AACGGTGTGCCATCTTTGAATCGGTTACGGGACAGCCCGGACATTGACGCAAGGACATGGCCAACC
CCACGGCCCTGCTGCTCAGTGTGTGATGCTGCGTACATGGGCCTTTTGACCACGCGAGCAAAAAAT
CGAGGCTGCGTGTGCTACAATTAAGGATGGGAAGAGCTTAACAAAAGATCTGGGAGGCAACTCGAAG
TGCTCTGACTTCACAGAAGAAATCTGTCGTAGAGTAAAAGACTTAGATTAG

ACGGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_053638
Insert Size:	1101 bp



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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).
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:	<ol style="list-style-type: none">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:	<u>NM_053638.1</u> , <u>NP_446090.1</u>
RefSeq Size:	2449 bp
RefSeq ORF:	1101 bp
Locus ID:	114096
UniProt ID:	<u>Q99NA5</u>
Cytogenetics:	8q24
Gene Summary:	alpha subunit of the NAD(+)-dependent isocitrate dehydrogenase that is important for metabolism in brown adipose tissue [RGD, Feb 2006]