

Product datasheet for **MC204977**

4933405O20Rik (NM_172901) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: 4933405O20Rik (NM_172901) Mouse Untagged Clone
Tag: Tag Free
Symbol: 4933405O20Rik
Synonyms: AV046776
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC060958
 AGTAAAGATGTTGGCAGTAACACAGCTGTTCTATGAAAACAGTTCTCCAATATGCTGTGTTTCTTGCCAT
 TCTAGGGAGGTAGTGTGAGCTTGTGACCTCCTTCAGAAGTTTCTGCTCACATTGCGCAGTGCCTCCTT
 CACCAAAGTATGGAGGAAGACACACGGTGGCTATGATTCTGGAGATGGCATTGGCCTGAGCTTATGGT
 TCATGTCAAGAAAATATTAGATCAAATTGTGTGCCAGTGGACTTTGAAGAGGTGTGGGTACCTCGACA
 TCTAATGAAGAGGAGATCAACAATGCTCTCATGGCCATCCGTCCGAACCGTGTGCTCTGAAGGGCAATA
 TTGCAACCAACCACAATCTGCCTGCCCGTTACAAGTCTCACAAACCAAGTTTCGCACCATCCTTGACCT
 CTATGCCAGTGTGCTCCATTTCAAGACTTTTCTGGTGTATGACCCGACACAAAGACATAGACATCTTG
 GTTGTTCGGGAGAATACAGAGGGGGAGTACACTAACCTAGAGCATGAGAGCGTAAAAGGCGTGGTAGAAA
 GCCTTAAGATTGTGACAAAGACCAAGTCTGTGCGCATTGCTGATTATGCCTTCAAGTTGGCCAAAAGAT
 GGGCGGAAAAAGGTGACAGTTGTTCAAAAGCCAACATCATGAAACTGGGAGATGGGCTCTTCCTTCAG
 TGCTGTAAGGATGTGGCAGCTCACTATCCTCAGATCACCTTAGAGAGTATGATTATAGACAACACCACAA
 TGCAAGTTGGTATCGAAGCCCAACAGTTTGATGTGATGGTGTGATGCCAATCTTTATGGCAACATTATCAA
 CAGTATCTGCACAGGACTGGTTGGAGGGTCAAGAAATTGTCCTGGAGCCAATTATGGTGATTATATGCA
 ATATTTGAGATGGGTTCAAAGGAAATAGGTAAGATTTGGCTCACAGAAATATTGCCAATCCTGTGCGCA
 TGCTGTGACAGCTGTATCATGCTGGACTACCTTGATCTCCAACCCTATGCCACTCACATCCGCTCTGC
 AGTCATGGCGTCTTACAAAACAAAGCTGTCTGCACTCCAGACATTGGAGGTCAAGGGAACACTGCAAGC
 ACTGTAGAGTATATCTTACACCACATGAAAGAACAACACTAGTGGTTGTCATCCAAATTTCTCCTGCAGT
 TCACTTGATTACCCCTCAGAGAGTCCAGCTAGCTTACTCAGCATGAATTGAGAGTGAACATTGCCAAT
 TCACTGGAAGGGAAGGTGGGGGATCAATATTGGTTTTTCCATTAATTTAAATTCAGAAAAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: SfiI-SfiI
ACCN: NM_172901
Insert Size: 1191 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:	BC060958 , AAH60958
RefSeq Size:	1348 bp
RefSeq ORF:	1191 bp
Locus ID:	243996
UniProt ID:	Q8BPC6
Cytogenetics:	7 B4
Gene Summary:	Regulatory subunit which plays a role in the allosteric regulation of the enzyme catalyzing the decarboxylation of isocitrate (ICT) into alpha-ketoglutarate. The heterodimer composed of the alpha (IDH3A) and beta (IDH3B) subunits and the heterodimer composed of the alpha (IDH3A) and gamma (IDH3G) subunits, have considerable basal activity but the full activity of the heterotetramer (containing two subunits of IDH3A, one of IDH3B and one of IDH3G) requires the assembly and cooperative function of both heterodimers.[UniProtKB/Swiss-Prot Function]