

Product datasheet for **RN204735**

Dao (NM_053626) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dao (NM_053626) Rat Untagged Clone
Tag: Tag Free
Symbol: Dao
Synonyms: Dao1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN204735 representing NM_053626
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCGCGTGGCCGTGATTGGAGCGGGAGTCATCGGACTGTCTACAGCCCTCTGCATTCATGAACGTTACC
ACCCAGCCCAACCTCTGCACATGAAGATCTATGCGGATCGCTTACGCGGTTCACTACCAGCGATGTGGC
TGGCGGACTCTGGCAGCCTTATCTCTGACCCAGCAACCCGAGGAGGCGGAGTGGAACCAGCAAAT
TTCGATCACCTTCAGAGCTGCCTCCATTCTCAAACGCTGAGAAAATGGGCTTGGCCCTAATCTCAGGCT
ACAACCTCTCCGAGACGAAGTCCCGGACCCCTTCTGGAAAAGCACAGTTCTGGGATCCGGAAGCTGAC
CCCCAGCGAGTTGGACATGTTCCCTGATTATAGCTATGGCTGGTCAACACGAGCCTCCTCTTGAGGGG
AAGAGCTACCTATCATGGCTGACTGAGAGGTTAACTGAGAGGGGAGTGAAGTTCATCCATCGGAAGGTGG
CATCTTCGAAGAGGTGGTGAAGGAGGCGTGGATGTGATTATCAACTGCACCGGGGTGTGGCCGGGGC
TCTGCAAGCAGACGCCTCCCTGCAGCCAGGCCGGGGCCAGATCATCCAGGTGGAGGCCCTTGGATAAAG
CACTTCATCCTCACCCATGATCCCAGCCTTGGCATCTACAACCTCCATACATCATCCAGGTTCCAAGA
CAGTTACACTCGGAGGTGATTCCAGCTGGGGAAGTGGAGCGAGCTAAACAGCGTCCATGACCACAACAC
CATTTGGAAGAGCTGCTGTCAACTGGAGCCACCCTGAAGAATGCAAGAATCATGGGTGAAGTCACTGGC
TTCCGGCCAGTCCGACCTCAGGTCGGGCTAGAAAAGAGAACGCCTTCGCTTTGGATCTTCAAGTGCAGAGG
TCATCCATAACTATGGTCATGGAGGTTACGGGCTCACGATTCAGTGGGTTGTGCAATGGAGGCAGCCAA
CCTCTTTGGAAAATTCTAGAAGAAAAGAACTGTCCAGGATGCCTCCATCCACCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_053626



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Insert Size:	1041 bp
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_053626.1</u> , <u>NP_446078.1</u>
RefSeq Size:	1646 bp
RefSeq ORF:	1041 bp
Locus ID:	114027
UniProt ID:	<u>O35078</u>
Cytogenetics:	12q16
Gene Summary:	catalyzes the conversion of d-amino acids to the corresponding alpha-keto acids; may be responsible for conversion of d-leucine to alpha-ketoisocaproic acid in the kidney [RGD, Feb 2006]