

## Product datasheet for RN200828

### Aldoc (NM\_012497) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Aldoc (NM\_012497) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Aldoc  
**Synonyms:** ALDCAA; F16dip7; RATALDCAA  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN200828 representing NM\_012497  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCCCACTCATACCCAGCCCTTCTGCTGAGCAGAAGAAGGAGTTGTCGGATATTGCTCTGAGGATTG  
TGGCCCCAGGCAAGGGCATTCTGGCTGCAGATGAGTCCGTGGGCAGCATGGCCAAAAGGCTGAGCCAAAT  
TGGGGTAGAGAACACTGAGGAGAATCGCCGACTGTACCGCCAGGTCTGTTCAGTGCTGATGACCGTGTG  
AAAAAGTGCAATTGGGGGGTTCATCTTCCACGAGACTCTACCAGAAAGATGACAATGGTGTCCCTT  
TTGTCCGCACCATCCAGGAGAAGGGCATTCTCGTAGGCATCAAGGTTGACAAGGGTGTAGTGCCTTAGC  
TGGGACTGATGGAGAAACCACCACTCAAGGGCTGGATGGACTCTTGAACGCTGTGCTCAGTATAAGAAG  
GACGGTGTGATTTTGCCAAATGGCGCTGTGTGCTGAAAATCAGTGATCGCACACCCTCGGCACTGGCCA  
TACTGGAGAAATGCCAATGTGCTGGCCCGCTATGCCAGCATCTGCCAGCAGAATGGTATCGTGCCCATCGT  
GGAGCCTGAGATCCTGCCTGATGGAGACCATGACCTCAAACGTTGCCAGTTTGTACAGAGAAGGTCCTG  
GCTGCTGTGTACAAGGCCTTGAGTGATCATCACGTATACCTGGAAGGGACTCTCCTCAAGCCCAACATGG  
TGACCCCTGGCCATGCCGTGCCATCAAATATAGCCAGAAGAGATCGCCATGGCAACTGCACTGCCCT  
CGGTGCAACTGTGCCCCAGCTGTCCAGGGGTGACTTTCTGTCTGGGGTTCAGAGTGAAGAGGAGGCA  
TCACTCAACCTCAATGCCATCAACCGATGCTCACTTCCCCGCGCCCTGGGCCCTCACCTTCTCCTACGGAC  
GTGCCCTGCAGGCATCTGCACTCAGTGCCTGGAGAGGACAAAGGGATAATGCTGGGGCTGCTACTGAGGA  
GTTTATCAAGCGGGCCGAGATGAACGGGCTTGCAGCCCAGGGCAAATATGAAGGCAGTGGAGATGGTGA  
GCAGCAGCACAGTCCCTACTGTTGGCAACCATGCCTAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_012497



|                               |   |
|-------------------------------|---|
| <b>Insert Size:</b>           | 1092 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_012497.1, NP_036629.1</u>   |
| <b>RefSeq Size:</b>           | 1581 bp   |
| <b>RefSeq ORF:</b>            | 1092 bp   |
| <b>Locus ID:</b>              | 24191   |
| <b>UniProt ID:</b>            | <u>P09117</u>   |
| <b>Cytogenetics:</b>          | 10q25   |
| <b>Gene Summary:</b>          | brain-specific member of the aldolase enzyme family; may play a role in neurogenesis [RGD, Feb 2006]  |