

Product datasheet for **RN204880**

Alad (NM_012899) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Alad (NM_012899) Rat Untagged Clone
Tag: Tag Free
Symbol: Alad
Synonyms: ALADR; aminolevulinatedelta-dehydratase
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN204880 representing NM_012899
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACCACCAGTCCGTTCTGCACAGTGGCTACTTTCACCCACTGCTTCGGGCCTGGCAGACCACCCCT
CCACCGTCAGTGCCACCAACCTCATCTATCCCATCTTTGTACGGATGTTCTGATGATGCCAGCCAT
TGCCAGCCTCCCGGGAGTGGCCAGGTATGGCGTAAACCAGCTAGAGGAGATGCTGAGACCTCTGGTGAA
GCCGGCCTTCGCTGTGCTCCTGATCTTTGGCGTCCCAGCAGAGTCCCAAGGATGAACAGGGCTCTGCAG
CTGACTCAGAGGACTCCCAACTATTGAGGCTGTCCGTCTGCTGAGGAAGACCTTCCCTACCTCCTAGT
GGCCTGTGATGTCTGCCTGTGCCCTACACCTCCCATGGCCACTGTGGCCTCCTGAGTAAAAATGGAGCC
TTCCTAGCAGAGGAAAGCCGACAACGGTTGGCAGAGGTGGCACTGGCCTATGCCAAGGCAGGTTGTCAGG
TTGTAGCTCCATCAGACATGATGGATGGACGAGTTGAAGCCATCAAGGCTGCCCTGCTAAAAATGGACT
TGGCAACAGGGTCTCTGTGATGAGCTATAGTGCCAAATTTGCCTCCTGTTTCTATGGTCTTTCCGGGAT
GCAGCTCAGTCAAGCCCAGCTTTTCGGAGACCGACGCTGTTATCAGCTGCCTCCTGGAGCCCGTGGCCTGG
CCCTCGAGCAGTGGCCCGGACATTCAAGAGGGAGCTGACATACTCATGGTAAAGCCGGGATTACCTTA
CCTGGATATGGTGCAGGAGGTGAAGGACAAGCACCCCGAGCTCCCCTCGCAGTATACCAGGTGTCGGGA
GAGTTTGCATGTTGTGGCACGGAGCCAAGGCTGGGGCCTTTGATCTCAGGACTGCTGACTGGAGTCCA
TGACGGCCTTCCGCAGAGCCGGTCTGACATTATCATCACCTACTTTGCACCCAGCTGTTGAAGTGGCT
GAAGGAAGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_012899



[View online »](#)

Insert Size:	993 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:	NM_012899.2 , NP_037031.1
RefSeq Size:	1278 bp
RefSeq ORF:	993 bp
Locus ID:	25374
UniProt ID:	P06214
Cytogenetics:	5q24
Gene Summary:	catalyzes the conversion of 5-aminolevulinate to porphobilinogen in heme biosynthesis [RGD, Feb 2006]