

Product datasheet for **MG201832**

Alad (BC018236) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Alad (BC018236) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Alad
Synonyms: ALADH; Lv
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201832 representing BC018236
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACCACCAGTCTGTTCTGCACAGCGGCTACTTTCACCCACTGCTTCGGAGCTGGCAGACTGCTGCCT
CCACCGTCAGTGCCTCCAACCTCATCTATCCCATCTTTGTACGGATGTTCTGATGATGCCAGCCTAT
CGCCAGCCTCCCAGGAGTGGCCAGGTATGGCGTAAACCAGCTAGAAGAGATGCTGAGACCTCTGGTGAA
GCTGGCCTGCGCTGTGCTCTGATCTTTGGCGTCCCAGCAGAGTCCCAAGGATGAACAGGGCTCTGCAG
CTGACTCTGAGGACTCCCAACTATTGAGGCTGTCCGTCTGCTGAGGAAGACCTCCCTTCCCTCCTAGT
GGCCTGTGACGTCTGCTTGTGCCCTACACCTCCCATGGCCACTGTGGCCTCCTGAGTGAATGGAGCA
TTCTAGCAGAGGAGAGCCGACAGCGGTTGGCAGAGGTGGCACTGGCCTATGCCAAGGCAGGCTGTCAGG
TTGTAGCTCCGTGACATGATGGACGGACGAGTTGAGGCCATCAAGGCTGCCCTGCTAAAAACATGGACT
TGGCAACAGGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201832 representing BC018236
Red=Cloning site Green=Tags(s)

MHHQSVLHSGYFHPLLRWQTAASTVVSASNLIIYPIFVTDVDPDDVQPIASLPGVARYGVNQLLEMLRPLVE
AGLRVCLIFGVPSRVPKDEQGSAADESDSPTIEAVRLLRKTFFPSLLVACDVCLCPYTSHGHCGLLSENGA
FLAEEQRQLAEVALAYAKAGCQVVAPSDMMDGRVEAIKAALLKHGLGNRV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Reconstitution Method:

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: [BC018236](#), [AAH18236](#)

RefSeq Size: 1785 bp

RefSeq ORF: 575 bp

Locus ID: 17025

Cytogenetics: 4 33.17 cM

Gene Summary: Catalyzes an early step in the biosynthesis of tetrapyrroles. Binds two molecules of 5-aminolevulinate per subunit, each at a distinct site, and catalyzes their condensation to form porphobilinogen (By similarity).[UniProtKB/Swiss-Prot Function]