

## Product datasheet for MC205467

### Alad (NM\_008525) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Alad (NM\_008525) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Alad  
**Synonyms:** ALADH; Lv  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC055930  
CGCTCAGCGTGGATCTG GCCCGCGGAGCTGACCAGTGATCCGGAGACTGCCCCGAAGGGAGCGTAAGCTG  
CATTCCCGGAGGGGCGGGCGGTACGGGAGCCGCTTCCGGGTGAGCCGCCCGCCCCACGTGGGCTTGCG  
CTTTTAGAGCGGGAGAGCGGGTGTCCAGAGCCCGGCTCGGAGCGCGGGGAGCAGCGTCTTGAGCTGA  
GGCTGCAGCAGACACCCAGGAGCCGCACTCCATCCAGCAGACTTCTCTGTGTTCCACTGCCCCGACCAT  
GCACCACAGTCTGTTCTGCACAGCGGCTACTTTCACCCACTGCTTCGGAGCTGGCAGACTGCTGCCTCC  
ACCGTCAGTGCCTCCAACCTCATCTATCCCATCTTTGTCACGGATGTTCCCTGATGATGTCCAGCCTATCG  
CCAGCCTCCCAGGAGTGGCCAGGTATGGCGTAAACCAGCTAGAAGAGATGCTGAGACCTCTGGTGGAAAGC  
TGGCCTGCGCTGTGCTGATCTTTGGCGTCCCAGCAGAGTTCCCAAGGATGAACAGGGCTCTGCAGCT  
GACTCTGAGGACTCCCCAACTATTGAGGCTGTCCGTCTGCTGAGGAAGACCTTCCCTTCCCTCCTAGTGG  
CCTGTGACGTCTGCTTGTGCCCTACACCTCCCATGGCCACTGTGGCCTCCTGAGTGAAAATGGAGCATT  
CCTAGCAGAGGAGAGCCGACAGCGGTTGGCAGAGGTGGCCACTGGCCTATGCCAAGGCAGGCTGTCCAGGTT  
GTAGCTCCGTGACATGATGGACGGACGAGTTGAGGCCATCAAGGCTGCCCTGCTAAAACATGGACTTG  
GCAACAGGGTCTCTGTGATGAGCTATAGTGCCAAATTTGCCTCCTGTTTCTACGGTCTTTCCGGGATGC  
AGCTCAGTCAAGCCAGCTTTTGGAGACCGACGCTGTTATCAGCTGCCTCCTGGTGGCCGTGGCCTGGCC  
CTCCGAGCAGTGGCCGAGACATTCAAGAAGGAGCTGACATGCTCATGGTGAAGCCGGGATTGCCCTACC  
TGGACATGGTGCAGAGGTGAAGGACAAGCACCCGAGCTCCCCCTCGCAGTATACCAGGTGTCTGGAGA  
GTTTGCATGTTGTGGCACGGAGCCAGGCCGGGGCCTTTGATCTCAGGACTGCTGACTGGAGACCATG  
ACGGCCTTCCGCAGAGCCGGTGGCAGATCATCATCACCTACTTGCACCCGAGCTGTTGAAGTGGCTGA  
AGGAAGAATGAAGAAAAAGTGTCCGACTTGATCTTGACCAAGCTCCCTGGGCCTTACAGAAGGGGAAAG  
TAAATGCGCTGTTAGAAGTGAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_008525  
**Insert Size:** 993 bp



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|-------------------------------|---|
| <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>                | <a href="#">BC055930</a> , <a href="#">AAH55930</a>   |
| <b>RefSeq Size:</b>           | 1392 bp   |
| <b>RefSeq ORF:</b>            | 993 bp  |
| <b>Locus ID:</b>              | 17025   |
| <b>UniProt ID:</b>            | <a href="#">P10518</a>  |
| <b>Cytogenetics:</b>          | 4 33.17 cM  |
| <b>Gene Summary:</b>          | <p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript from the same strain was available for the full length of the gene. The extent of this transcript is supported by transcript alignments and orthologous data.</p> |