

Product datasheet for **RN206736**

Alas2 (NM_013197) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alas2 (NM_013197) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Alas2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN206736 representing NM_013197
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGTGGCAGCAGCTATGTTGCTACGGTCTGTCCAGTGTCTCTAAGGGCCCCACAGGCCTCTAGGCA
 AAGTGGCTAAAACCTTACCAGTTCCTATTTGGTATTGGACGCTGCCCATCCTGGCCACTCAAGGACCAAC
 CTGTTCTCAAATCCATCTTAAGGCAACCAAGGCTGGAGCAGACTCTCCGTCTTGGACTAAGAGCCATTGT
 CCTTTCATGCTGTCCAGACTCCAAGACAGGAAGAGCAAGATTGTGCAGAGGGCAGCTCCAGAAGTCCAAG
 AGGATGTCAAGACTTTCAAGACAGACCTGCTGAGCTTCATGGAGTCAACTACCGAAGCCAAATCAGTGCC
 TCGTTTCCAGGATCCAGAGCAGACTGGAGGGGCACCTCCCCTGCTGATTCAGAATAATATGACTGGAAGC
 CAGGCTTTTGGTTATGACCAATTTTTAGAGACAAGATCATGGAAAAGAAGCAGGACCACACATACCGTG
 TGTTCAAGACTGTGAATCGTGGGCTAATGCCTACCCCTTGCCCAACACTTCTCCGAGGCATCTATGGA
 CCAAAGGATGTTCTGTCTGGTGCAGTAATGACTATTTGGGCATAAGCAGGCACCCTCGTGTCTTGACG
 GCCATAGAGGAGACCCTGAAGAATCATGGAGCTGGAGCTGGGGGCACTCGCAATATCTCAGGTACAAGCA
 AGTTTTATGTGGAGCTTGAACAGGAGCTGGCTGAACACTACATCAAGGACTCGGCTCTGCTCTTCTCCTC
 CTGTTTTGTGGCCAATGATTCTACTCTCTTTACTGCGCAAGCTTCTGCCAGGGTGTGAGATCTACTCA
 GACGCAGGCAATCATGCCTCCATGATCCAAGGCATTTCGTAACAGTGGTGCAGTCAAGTTTGTCTTCAGAC
 ACAATGACCCAGGCCACCTGAAGAACTTCTTGAGAAAGTCCGATCCCAAGACACCAAAAATTGTGGCTTT
 TGAGACTGTTCACTCCATGGATGGTGCCATCTGCCTCTGGAGGAATTGTGTGATGTGGCCACCAGTAC
 GGGGCCCTGACCTTCGTGGATGAAGTCCATGCCGTAGGACTATATGGAACCCGGGTGCAGGGATCGGGG
 AGCGTGATGGAATTATGCACAAGCTTGACATCATCTCTGGAACCTTTGGCAAGGCCTTTGGCTGTGTCGG
 TGGCTATATCGCCAGCACTCGGGACTTGGTGGACATGGTGGCTCTACGCTGCAGGCTTCATCTTTACC
 ACTTCACTGCCTCCCATGGTGCTCTCTGGAGCTCTAGAGTCTGTGCGTCTACTCAAGGGAGAGGAGGTC
 AAGCCCTGAGGCGTGCACACCAGCGCAACGTCAAACATATGCGCCAGCTACTAATGGACAGGGGCTTTCC
 TGTTATCCCTGTCCCAGCCACATATCCCATAAAGGGTGGTAAATGCGGCACTCAACAGCAAGATCTGT
 GATCTTCTGCTCGCAAGCACAGCATCTATGTGCAGGCCATCAACTACCAACTGTGCCTCGTGGTGGAG
 AGCTGTGCGCTTGGCCCCCTCCCCCACCACAGCCCTCAGATGATGGAAAACCTTTGTGGAGAAGTTGCT
 GCTGGCCTGGACTGAGGTGGGGTGGCCCTCCAAGATGTGTCTGTGGCTGCATGCAACTTCTGCCGTCGT
 CCTGTGCACTTTGAGCTTATGAGCGAGTGGGAGCGATCCTACTTTGGGAACATGGGACCCCAATATGTTA
 CTACCTATGCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_013197
- Insert Size:** 1764 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:

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_013197.1](#), [NP_037329.1](#)

RefSeq Size: 1899 bp

RefSeq ORF: 1764 bp

Locus ID: 25748

UniProt ID: [Q63147](#)

Cytogenetics: Xq13

Gene Summary: erythroid-specific isozyme that catalyzes the conversion of glycine and succinyl-CoA to 5-aminolevulinate [RGD, Feb 2006]