

Product datasheet for **MC219374**

Alas2 (NM_009653) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alas2 (NM_009653) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Alas2
Synonyms:	ALAS; Alas-2; ALAS-E; ALASE
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219374 representing NM_009653
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGGCAGCAGCTATGTTGCTACGGTCTGTCCAGTGTCTCTCAGGGCCCCACAGGCCTCTGGGCA
 AAGTGGCTAAAACCTACCAGTTCCTATTTAGTATTGGACGCTGCCCATCCTGGCCACTCAAGGACCAAC
 CTGTTCTCAAATCCATCTTAAGGCAACCAAGGCTGGAGGAGACTCTCCATCTTGGGCTAAGAGCCATTGT
 CCTTTCATGCTGTGAGAAGCTCAAGACAGGAAGAGCAAGATTGTGCAGAGGGCAGCTCCAGAAGTTCAAG
 AGGATGTCAAGACTTTCAAGACAGACCTGCTGAGCACCATTGGATTCAACCACCGAAGCCATTCAATTCC
 TAGTTTCCAGGAGCCAGAGCAGACTGAAGGGCAGTTCACCCACCTGATTCAGAACAATATGACTGGAAGC
 CAGGCTTTCGGTTATGACCAATTTTTCAGAGACAAGATCATGGAGAAGAAACAGGACCACACCTACCGTG
 TGTTCAGACTGTGAATCGTTGGGCTAATGCCTACCCCTTGCCCAACACTTCTCCGAGGCATCTATGGC
 ATCAAAGGATGTTTCTGTTTGGTGTAGTAATGACTATTTGGGCATAAGCAGACACCCTCGTGTCTTGACG
 GCCATAGAGGAGACCCTGAAGAATCATGGAGCTGGAGCTGGGGGCACTCGCAATATCTCAGTACCAGCA
 AGTTTTATGTGGAGCTTGAACAGGAGCTGGCTGAACTACACCAGAAAGACTCAGCTCTGCTCTTCTCCTC
 CTGTTTTGTGGCCAATGATTCTACTCTCTTTACTGCGCAAGCTTCTGCCAGGGTGTGAGATCTACTCA
 GATGCAGGCAATCATGCCTCCATGATCCAAGGCATTGCAACAGTGGTGCAGCCAAGTTTGTCTTCAGAC
 ACAATGACCCAGGCCACCTGAAGAACTTCTCGAGAAGTCTGATCCCAAGACACCAAAAATTGTGGCTTT
 TGAGACTGTTCAATCCATGGATGGTGCCATCTGTCTCTGGAGGAATTGTGTGATGTGGCCACCAGTAT
 GGAGCCCTGACCTTCGTAGATGAAGTCCATGCTGTAGGACTGTATGGAGCCCGGGTGCAGGTATCGGGG
 TGGCTATATAGCCAGCACTCGGGACTTGGTGGACATGGTGGCTCTACGCTGCAGGCTTCATCTTTACC
 ACTTCACTGCCTCCCATGGTGCTCTCTGGGGCTCTAGAATCTGTGCGCCTACTCAAGGGAGAGGAGGTC
 AAGCCCTGAGGCGGGCACACCAGCGCAATGTCAAACACATGCGCCAGCTGCTAATGGACAGGGGCTTTCC
 TGTATCCCTGTCCCAGCCACATCATCCCATCAGGGTGGGTAATGCAGCACTCAACAGCAAGATCTGT
 GATCTTCTGCTCTCAAGCACAGCATCTATGTGCAGGCCATCACTACCAACTGTGCCTCGTGGTGGAG
 AGCTACTGCGCTTGGCCCCCTCCCCCACCACAGCCCTCAGATGATGGAAAATTGTGGAGAAGCTGCT
 GCTGGCCTGGACTGAGGTGGGGCTGCCCTCCAAGATGTGTCTGTGGCTGCATGCAACTTCTGTCATCGT
 CCTGTGCACTTTGAACTTATGAGCGAGTGGGAGCGATCCTACTTTGGGAACATGGGACCCCAATATGTTA
 CCACCTATGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_009653

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_009653.3](#), [NP_033783.1](#)

RefSeq Size: 1983 bp

RefSeq ORF: 1764 bp

Locus ID: 11656

UniProt ID: [P08680](#)

Cytogenetics: X 68.46 cM