

Product datasheet for **MC228556**

Alas1 (NM_001291835) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alas1 (NM_001291835) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Alas1
Synonyms:	ALAS; Alas-1; Alas-h; ALAS-N
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228556 representing NM_001291835
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGACTGTCGTTTCGCCGATGCCATTCTTATCCCAGTCCCTCAGGCCTTCTCGACAAGGCAGGAA
 AGTCTCTGTTGTTCTATGCTCAAACTGCCCAAGATGATGGAAGTTGGGGCCAAGCCAGCTCCTCGAAC
 CCTGTCCACATCAGCTGTCCACTGCCAGCAGGTCAAAGAAACCCCTCCAGCCAATGAGAAAGAGAAAAC
 GCCAAGGCCCGAGTCCAGCAGGCTCCTGACGAGTCCCAGATGGCAGACTCCAGACGGCACACAGCTTC
 CGTCTGGACACCCGTCCTGCTACAAGCCAGGGCTCTGGGAGCAAGTCCCTTCTGGCAGCAGCT
 GAGCCAGACAGGCAGCAGCTCTCCGCAAGGCCAGTCTGGAGTCCAGGAGGACGTGCAGGAAATGCAT
 GCTGTGAGGAAAGAGGCTGCTCAAAGCCAGTGCCTCCAGCCTGGTTAATGTGAAAACCGATGGAGAGG
 ATCCAAGCCGACTGCTGAAGAACTCCAGGACATCATGCGAAAGCAGAGGCCAGAAAGAGTGTCTCATCT
 TCTTCAGGATAACTTGCCAAAGTCTGTTCCACTTTTCAATATGATCATTCTTTGAGAAGAAAATTGAT
 GAGAAAAAAAATGATCATACCTACCGAGTTTTTAAAACGGTGAACCGGAGAGCACAAATCTTCCCGATGG
 CGGATGACTACACGGATTCCCTCATAACCAAAAAGCAGGTGTCGGTCTGGTGCAATGACTACCTAGG
 CATGAGTCGACACCCACGGGTGTGTGGGCTGTGATGGAGACTGTGAAACAGCATGGTGTGGAGCTGGG
 GAACTAGGAATATTTCTGGAACGAGCAAGTCCACGTAGAAGTGGAGCAGGCACTGGCCGACCTCCACG
 GCAAAGATGCGGCGCTCTTGTCTCTTCTGTTTTGTGGCAACGACTCCACCCTTTCACCCTGGCTAA
 GATGATGCCAGGCTGTGAAATTTACTCTGATCCGGAACCATGCCTCCATGATCCAAGGGATTGCAAC
 AGTCGAGTGCCAAAATATATCTCCGCCACAATGACGTTAACCATCTCAGAGAAGTGTGCAGAGATCTG
 ACCCTCAGTCCCAAGATAGTAGCATTGAAACTGCCATTCAATGGATGGAGCAGTGTGCCACTGGA
 AGAGCTGTGTGACGTGGCCCATGAGTTTGGGGCAATCACGTTTGTGGATGAGGTCCATGCAGTGGGGCTC
 TATGGAGCTCGAGGTGGAGGGATCGGTGATCGGGATGGGTCATGCCAAAAATGGACATCATCTCTGGGA
 CGCTTGGTAAAGCGTTCGGCTGTGTTGGAGGATACATTGCCAGCAGGATTTGCTGATCGACACCGTCCG
 CTCCTACGCTGCGGGCTTCATCTTACCACCTCCTTGCCACCAATGCTGCTGGCTGGAGCCCTGGAGTCT
 GTGCGGATCCTGAAGAGCAGCGAGGGGCGGCCCTTCGCCGCCAGCACCAGCGAAATGTCAAGCTTCTGA
 GGCAGATGCTAATGGACGCTGGCTCCCGGTATCCACTGTCCGAGTACATCATCCCTGTGCGGGTTGC
 CGATGCTGCTAAGAACACAGAGATCTGTGATGAGTTGATGACCAGGCATAATATCTACGTCACAGGCCATC
 AATTACCAACAGTGCCTCGCGGGGAGGAGCTCCTGCGGATCGCCCCACCCGATCACACCCCGCAGA
 TGATGAACTTCTCGTGGAGAAGCTGCTGGTACGTGGAAGCGAGTTGGGCTGGAACCTAAGCCACATTC
 GTCAGTGAATGCAACTTCTGCAGGAGGCCCTGCACTTTGAAGTGTGAGCGAAAGAGAGAAAGCCTAT
 TTCTCAGGCATGAGCAAGATGGTGTCTGCCAGGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001291835

Insert Size: 1929 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	<u>NM_001291835.1, NP_001278764.1</u>
RefSeq Size:	3089 bp
RefSeq ORF:	1929 bp
Locus ID:	11655
UniProt ID:	<u>Q8VC19</u>
Cytogenetics:	9 F1