

Product datasheet for **MR230767**

Alas1 (NM_001291835) Mouse Tagged ORF Clone

Product data:

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



[View online »](#)

**ORF Nucleotide
Sequence:**

>MR230767 representing NM_001291835
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGACTGTCGTTTCGCCGATGCCATTCTTATCCCAGTCCCTCAGGCCTTTCTGCAGAAGGCAGGAA
 AGTCTCTGTTGTTCTATGCTCAAACTGCCCAAGATGATGGAAGTTGGGGCCAAGCCAGCTCCTCGAAC
 CCTGTCCACATCAGCTGTCCACTGCCAGCAGGTCAAAGAAACCCCTCCAGCCAATGAGAAAAGAGAAA
 GCCAAGGCCCGAGTCCAGCAGGCTCCTGACGAGTCCCAGATGGCAGACTCCAGACGGCACACAGCTTC
 CGTCTGGACACCCGTCCTGCTACAAGCCAGGGCTCTGGGAGCAAGTCCCTTTCTGGCAGCACAGCT
 GAGCCAGACAGGCAGCAGCTCTCCGCAAGGCCAGTCTGGAGTCCAGGAGGACGTGCAGGAAATGCAT
 GCTGTGAGGAAAGAGGCTGCTCAAAGCCAGTGCCTCCAGCCTGGTTAATGTGAAAACCGATGGAGAGG
 ATCCAAGCCGACTGCTGAAGAACTTCCAGGACATCATGCGAAAGCAGAGGCCAGAAAGAGTGTCTCATCT
 TCTTCAGGATAACTTGCCAAAGTCTGTTCCACTTTTCAATATGATCATTCTTTGAGAAGAAAATTGAT
 GAGAAAAAATGATCATACCTACCGAGTTTTTAAAACGGTGAACCGGAGAGCACAAATCTTCCCGATGG
 CGGATGACTACACGGATCCCTCATAACCAAAAAGCAGGTGTCGGTCTGGTGCAGTAATGACTACCTAGG
 CATGAGTCGACACCCACGGGTGTGTGGGCTGTGCATGGAGACTGTGAAACAGCATGGTGTGGAGCTGGG
 GAACTAGGAATTTTCTGGAACGAGCAAGTCCACGTAGAAGTGGAGCAGGCACTGGCCGACCTCCACG
 GCAAAGATGCGGCGCTCTTGTCTCTTCTGTTTTGTGGCCAACGACTCCACCCTTTCACCCTGGCTAA
 GATGATGCCAGGCTGTGAAATTTACTCTGATCCGGAACCATGCCTCCATGATCCAAGGGATTTCGCAAC
 AGTCGAGTGCCAAAATATATCTCCGCCACAATGACGTTAACCATCTCAGAGAACTGCTGCAGAGATCTG
 ACCCTCAGTCCCAAGATAGTAGCATTGAAACTGTCCATTCAATGGATGGAGCAGTGTGCCACTGGA
 AGAGCTGTGTGACGTGGCCCATGAGTTTGGGGCAATCACGTTTGTGGATGAGGTCCATGCAGTGGGCTC
 TATGGAGCTCGAGGTGGAGGGATCGGTGATCGGGATGGGTCATGCCAAAAATGGACATCATCTCTGGGA
 CGCTTGGTAAAGCGTTCGGCTGTGTTGGAGGATACATTGCCAGCAGGATTTGCTGATCGACACCGTCCG
 CTCCTACGCTGCGGGCTTCATCTTACCACCTCCTTGCCACCAATGCTGCTGGCTGGAGCCCTGGAGTCT
 GTGCGGATCCTGAAGAGCAGCGAGGGGCGGCCCTTCGCCGCCAGCACCAGCGAAATGTCAAGCTTCTGA
 GGCAGATGCTAATGGACGCTGGCTCCCGGTATCCACTGTCCGAGTACATCATCCCTGTGCGGGTTGC
 CGATGCTGCTAAGAACACAGAGATCTGTGATGAGTTGATGACCAGGCATAATATCTACGTCACAGGCCATC
 AATTACCCAACAGTGCCTCGCGGGGAGGAGCTCCTGCGGATCGCCCCACCCGATCACACCCCGCAGA
 TGATGAACTTCTCGTGGAGAAGCTGCTGGTACGTGGAAGCGAGTTGGGCTGGAACCTAAGCCACATTC
 GTCAGTGAATGCAACTTCTGCAGGAGGCCCTGCACTTTGAAGTATGAGCGAAAGAGAAAAGCCTAT
 TTCTCAGGCATGAGCAAGATGGTGTCTGCCAGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230767 representing NM_001291835
Red=Cloning site Green=Tags(s)

METVVRRCPFLLSRVPQAFLLQKAGKSLLFYAQNCPKMMEVGAKPAPRTLSTSAVHCQQVKETPPANEKEKT
 AKAAVQQAPDESQMAQTPDGTQLPSGHPSPATSQGSGSKCPFLAAQLSQTGSSVFRKASLELQEDVQEMH
 AVRKEAAQSPVPPSLVNVKTDGEDPSRLLKNFQDIMRKQRPERVSHLLQDNLPKSVSTFQYDHFEEKID
 EKKNHTYRVFKTVNRAQIFPMADDDYDSLITKKQVSVWCSNDYLGMSRHRVCGAVMETVKQHGAGAG
 GTRNISGTSKFHVELEQALADLHGKDAALLFSSCFVANDSTLFTLAKMMPGCEIYSDSGNHASMIQGIRN
 SRVPKYIFRHNDVNHLRELLQRSDSPVKIVAFETVHSMGAVCPLEELCDVAHEFGAITFVDEVHAVGL
 YGARGGGIGDRDGVMPKMDIISGLTGKAFGCVGGYIASTLLIDTVRSYAAGFIFTTSLPMLLAGALES
 VRILKSSEGRALRRQHQRNVKLLRQMLMDAGLPVIHCPHSIIPVRVADAANKTEICDELTRHNIYVQAI
 NYPTVPRGELLRIAPTPHHTPQMMNFFVEKLLVTWKRVLGLKPHSSAECNFCRRPLHFVEMSEREKAY
 FSGMSKMVSAQA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001291835

ORF Size: 1926 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001291835.1](#), [NP_001278764.1](#)

RefSeq Size: 3089 bp

RefSeq ORF: 1929 bp

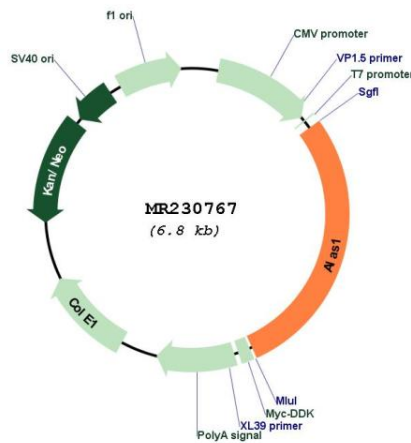
Locus ID: 11655

UniProt ID: [Q8VC19](#)

Cytogenetics: 9 F1

MW: 71 kDa

Product images:



Circular map for MR230767