

Product datasheet for **MR209701**

Alas1 (NM_020559) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alas1 (NM_020559) 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)



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ORF Nucleotide
Sequence:

>MR209701 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGAGACTGTCGTTTCGCCGATGCCATTCTTATCCCAGTCCCTCAGGCCTTTCTGCAGAAGGCAGGAA
AGTCTCTGTTGTTCTATGCTCAAACTGCCCAAGATGATGGAAGTTGGGGCCAAGCCAGCTCCTCGAAC
CCTGTCCACATCAGCTGTCCACTGCCAGCAGGTCAAAGAAACCCCTCCAGCCAATGAGAAAAGAGAAAAT
GCCAAGGCCGAGTCCAGCAGGCTCCTGACGAGTCCCAGATGGCAGACTCCAGACGGCACACAGCTCC
CGTCTGGACACCCGTCCTGCTACAAGCCAGGGCTCTGGGAGCAAGTCCCTTTCTGGCAGCAGCT
GAGCCAGACAGGCAGCAGCTCTCCGCAAGGCCAGTCTGGAGTCCAGGAGGACGTGCAGGAAATGCAT
GCTGTGAGGAAAGAGGCTGCTCAAAGCCAGTGCCTCCAGCCTGGTTAATGTGAAAACCGATGGAGAGG
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CATGAGTCGACACCCACGGGTGTGTGGGCTGTGATGGAGACTGTGAAACAGCATGGTGTGGAGCTGGG
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TTGGTAAAGCGTTCGGCTGTGTTGGAGGATACATTGCCAGCAGGTTTGTGATCGACACCGTCCGCTC
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CGGATCCTGAAGAGCAGCGAGGGGCGGCCCTTCGCCGCCAGCACCAGCGAAATGTCAAGCTTCTGAGGC
AGATGCTAATGGACGCTGGCCTCCCGTCCACTGTCCGAGTCACATCATCCCTGTGCGGGTTGCCGA
TGCTGCTAAGAACACAGAGATCTGTGATGAGTTGATGACCAGGCATAATATCTACGTCCAGGCCATCAAT
TACCCAACAGTGCCTCGCGGGGAGGAGCTCTGCGGATCGCCCCACCCGCATCACACCCGCGAGATGA
TGAACCTTTTGTGGAGAAGCTGCTGGTACGTGGAAGCGAGTTGGGCTGGAAGTGAAGCCACATTCGTC
AGCTGAATGCAACTTCTGCAGGAGGCCCTGCACCTTTGAAGTGTGAGCGAAAGAGAGAAAGCCTATTTT
TCAGGCATGAGCAAGATGGTGTCTGCCAGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209701 protein sequence
Red=Cloning site Green=Tags(s)

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METVVRRCPFLLSRVPQAFLLQKAGKSLFFYAQNCPKMMEVGAKPAPRTLSTSAVHCQQVKETPPANEKEKT
AKAAVQQAPDESQMAQTPDGTQLPSGHPSPATSQGSGSKCPFLAAQLSQTGSSVFRKASLELQEDVQEMH
AVRKEAAQSPVPPSLVNVKTDGEDPSRLLKNFQDIMRQRPERSHLLQDNLPKSVSTFQYDHFEEKID
EKKNHTYRVFKTVNRAQIFPMADDYTDLSLITKKQVSVWCSNDYLGMSRHRVCGAVMETVKQHGAGAG
GTRNISGTSKFHVELEQALADLHGKDAALLFSSCFVANDSTLFTLAKMMPGCEIYSDSGNHASMIQGIRN
SRVPKYIFRHNDVNHLRELLQRSDPVSPKIVAFETVHSMDAVCPLEELCDVAHEFGAITFVDEVHAGVLY
GARGGGIGDRDGVMPKMDIISGTLGKAFGCVGGYIASTLLIDTVRSYAAGFIFTTSLPMLLAGALESV
RILKSSEGRALRRQHQRNVKLLRQMLMDAGLPVIHCPSHIIPVRVADAAKNTAICDELMTRHNIYVQAIN
YPTVPRGEEELLRIAPTPHHTPQMMNFFVEKLLVTWKRVLGELKPHSSAECNFCRRPLHFEVMSEREKAYF
SGMSKMVSAQA
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_020559

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_020559.1](#)

RefSeq Size: 2702 bp

RefSeq ORF: 1929 bp

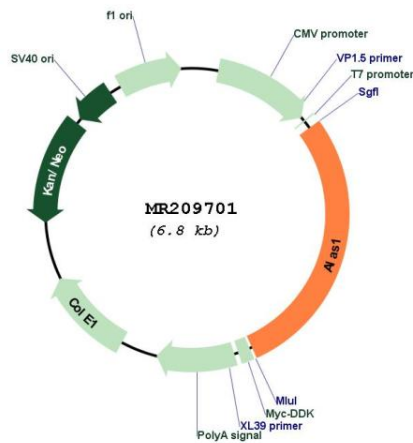
Locus ID: 11655

UniProt ID: [Q8VC19](#)

Cytogenetics: 9 F1

MW: 71 kDa

Product images:



Circular map for MR209701