

Product datasheet for **MR222911**

Alas2 (NM_009653) Mouse Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>MR222911 representing NM_009653
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGGCAGCAGCTATGTTGCTACGGTCTGTCCAGTGTCTCTCAGGGCCCCACAGGCCCTCTGGGCA
 AAGTGGCTAAAACCTACCAGTTCCTATTTAGTATTGGACGCTGCCCATCCTGGCCACTCAAGGACCAAC
 CTGTTCTCAAATCCATCTTAAGGCAACCAAGGCTGGAGGAGACTCTCCATCTTGGGCTAAGAGCCATTGT
 CCTTTCATGCTGTCCAGACTCCAAGACAGGAAGAGCAAGATTGTGCAGAGGGCAGCTCCAGAAGTTCAAG
 AGGATGTCAAGACTTTCAAGACAGACCTGCTGAGCACCATTGGATTCAACCACCCGAAGCCATTCAATTCC
 TAGTTTCCAGGAGCCAGAGCAGACTGAAGGGCAGTTCGCCACCTGATTCAGAACAATATGACTGGAAGC
 CAGGCTTTCGGTTATGACCAATTTTCAGAGACAAGATCATGGAGAAGAAACAGGACCACACCTACCGTG
 TGTTCAAGACTGTGAATCGTTGGGCTAATGCCTACCCCTTGCCCAACACTTCTCCGAGGCATCTATGGC
 ATCAAAGGATGTTCTGTTTGGTGTAGTAATGACTATTTGGGCATAAGCAGACACCCTCGTGTCTTGACG
 GCCATAGAGGAGACCCTGAAGAATCATGGAGCTGGAGCTGGGGGCACTCGCAATATCTCAGTACCAGCA
 AGTTTTATGTGGAGCTTGAACAGGAGCTGGCTGAACACAGAAAGACTCAGCTCTGCTCTTCTCCTC
 CTGTTTTGTGGCCAATGATTCTACTCTTTTACTGGCCAAGCTTCTGCCAGGGTGTGAGATCTACTCA
 GATGCAGGCAATCATGCCTCCATGATCCAAGGCATTGCAACAGTGGTGCAGCCAAGTTTGTCTTACAGC
 ACAATGACCCAGGCCACCTGAAGAACTTCTCGAGAAGTCTGATCCCAAGACACCAAAAATTGTGGCTTT
 TGAGACTGTTCAATCCATGGATGGTGCATCTGTCTCTGGAGGAATTGTGTGATGTGGCCACCAGTAT
 GGAGCCCTGACCTTCGTAGATGAAGTCCATGCTGTAGGACTGTATGGAGCCGGGGTGCAGGTATCGGG
 AGCGTGATGGAATTATGCACAAGCTTGACATCATCTCTGGAACCTTGGCAAGGCCTTGGTTGCGTCGG
 TGGCTATATAGCCAGCACTCGGGACTTGGTGGACATGGTGCCTCTACGCTGCAGGCTTCATCTTACC
 ACTTCACTGCCTCCCATGGTGTCTCTGGGGCTCTAGAATCTGTGCGCCTACTCAAGGGAGAGGAGGTC
 AAGCCCTGAGGCGGGCACACCAGCGCAATGTCAAACACATGCGCCAGCTGCTAATGGACAGGGGCTTTCC
 TGTATCCCTGTCCAGCCACATCATCCCATCAGGGTGGGTAATGCAGCACTCAACAGCAAGATCTGT
 GATCTTCTGCTCTCAAGCACAGCATCTATGTGCAGGCCATCACTACCAACTGTGCCTCGTGGTGGAG
 AGCTACTGCGCTTGGCCCCCTCCCCCACCACAGCCCTCAGATGATGGAAAATTGTGGAGAAGCTGCT
 GCTGGCCTGGACTGAGGTGGGGCTGCCCTCCAAGATGTGTCTGTGGCTGCATGCAACTTCTGTCATCGT
 CCTGTGCACTTTGAACTATGAGCGAGTGGGAGCGATCCTACTTTGGGAACATGGGACCCCAATATGTTA
 CCACCTATGCT

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222911 representing NM_009653
 Red=Cloning site Green=Tags(s)

MVAAAMLLRSCPVL SQGPTGLLGKVAKYQFLFSIGRCPILATQGPTCSQIHLKATKAGDSPSWAKSHC
 PFMLSELQDRKSKIVQRAAPEVQEDVKTFKTDLLSTMDSTTRSHSFPSFQEPEQTEGAVPHLIQNNMTGS
 QAFGYDQFFRDKIMEKKQDHTYRVFKTVNRWANAYPFAQHFSEASMASKDVSVWCSNDYLGISRHRVQLQ
 AIEETLKNHGAGAGGTRNISGTSKFHVELEQELAEHQKDSALLFSSCFVANDSTLFTLAKLLPGCEIYS
 DAGNHASMIQIRNSGAAKFVFRHNDPGLKLLLEKSDPKTPKIVAFETVHSMGDAICPLEELCDVAHQY
 GALTFVDEVHAVGLYGARGAGIGERDGMHKLDIISGTLGKAFGCVGGYIASTRDLVDMVRSYAAGFI
 TSLPPMVLSGALESVRLKGEEQALRRAHQNRNVKHMRLQMDRFPVIPCPSHIPIRVGNAALNSKIC
 DLLL SKHSIYVQAINYPTVPRGEELLRLAPSPHSPQMMENFVEKLLLAWTEVGLPLQDVSVAACNFCHR
 PVHFELMSEWERSYFGNMGPOYVTTYA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9074_h07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009653

ORF Size: 1761 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_009653.3](#), [NP_033783.1](#)

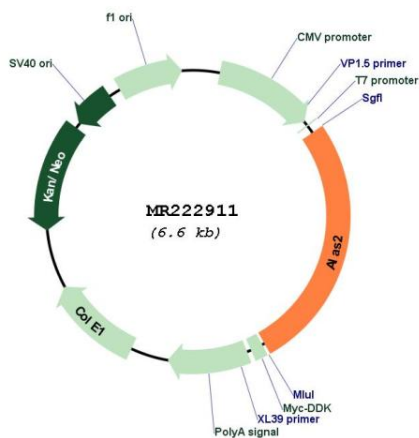
RefSeq Size: 1983 bp

RefSeq ORF: 1764 bp

Locus ID: 11656

UniProt ID: P08680
 Cytogenetics: X 68.46 cM
 MW: 64.8 kDa

Product images:



Circular map for MR222911