

## Product datasheet for **MR222913**

### **Alas2 (NM\_001102446) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Alas2 (NM_001102446) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Alas2
Synonyms:	ALAS; Alas-2; ALAS-E; ALASE
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>MR222913 representing NM\_001102446  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGGCAGCAGCTATGTTGCTACGGTCTGTCCAGTGTCTCTCAGGGCCCCACAGGCCTCTGGGCA  
 AAGTGGCTAAAACCTACCAGTTCCTATTTAGTATTGGACGCTGCCCATCCTGGCCACTCAAGGACCAAC  
 CTGTTCTCAAATCCATCTTAAGGCAACCAAGGCTGGAGGAGAAGTCCAAGACAGGAAGAGCAAGATTGTG  
 CAGAGGGCAGCTCCAGAAGTTCAAGAGGATGTCAAGACTTTCAAGACAGACCTGTGAGCACCATGGATT  
 CAACCACCCGAAGCCATTCATTTCTAGTTTCCAGGAGCCAGAGCAGACTGAAGGGCAGTTCACCCACT  
 GATTCAGAACAATATGACTGGAAGCCAGGCTTTCGGTTATGACCAATTTTTCAGAGACAAGATCATGGAG  
 AAGAAACAGGACCACACCTACCGTGTGTCAAGACTGTGAATCGTTGGGCTAATGCCTACCCCTTGCC  
 AACACTTCTCCGAGGCATCTATGGCATCAAAGGATGTTTCTGTTTGGTGTAGTAATGACTATTTGGGCAT  
 AAGCAGACACCCTCGTGTCTTGCAGGCCATAGAGGAGACCCTGAAGAATCATGGAGCTGGAGCTGGGGC  
 ACTCGCAATATCTCAGGTACCAGCAAGTTTCATGTGGAGCTTGAACAGGAGCTGGCTGAACCTACACCAGA  
 AAGACTCAGCTCTGCTCTTCTCCTCTGTTTTGTGGCCAATGATTCTACTCTCTTACACTGGCCAAAGCT  
 TCTGCCAGGGTGTGAGATCTACTCAGATGCAGGCAATCATGCCTCCATGATCCAAGGCATTCGCAACAGT  
 GGTGCAGCCAAGTTTGTCTTTCAGACACAATGACCCAGGCCACCTGAAGAACTTCTCGAGAAGTCTGATC  
 CCAAGACACAAAAATTGGGCTTTTGGAGACTGTTTCATTCATGGATGGTGCATCTGTCCTCTGGAGGA  
 ATGTGTGATGTGGCCACCAGTATGGAGCCCTGACCTTCGTAGATGAAGTCCATGCTGTAGGACTGTAT  
 GGAGCCCGGGTGCAGGTATCGGGGAGCGTGATGGAATTATGCACAAGCTTGACATCATCTGGAACCTC  
 TTGGCAAGGCCTTTGGTTGCGTCGGTGGCTATATAGCCAGCAGCTCGGGACTTGGTGGACCTGCGCTC  
 CTACGCTGCAGGCTTCATCTTTACCACTTCACTGCCTCCCATGGTGTCTCTGGGGCTCTAGAATCTGTG  
 CGCTACTCAAAGGAGAGGAGGGTCAAGCCCTGAGGCGGGCACACCAGCGCAATGTCAAACACATGCGCC  
 AGCTGCTAATGGACAGGGGCTTCTGTTATCCCTGTCCAGCCACATCATCCCATCAGGGTGGGTAA  
 TGCAGCACTCAACAGCAAGATCTGTGATCTTCTGCTCTCCAAGCACAGCATCTATGTGCAGGCCATCAAC  
 TACCCAACTGTGCTCGTGGTGGAGACTACTGCGCTTGGCCCCCTCCCCCACCACAGCCCTCAGATGA  
 TGGAAAATTTGTGGAGAAGCTGCTGCTGGCCTGGACTGAGGTGGGGCTGCCCTCCAAGATGTGTCTGT  
 GGCTGCATGCAACTTCTGTCATCGTCTGTGCACTTTGAAGTTATGAGCGAGTGGGAGCGATCCTACTTT  
 GGAACATGGGACCCCAATATGTTACCACCTATGCT

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR222913 representing NM\_001102446  
 Red=Cloning site Green=Tags(s)

MVAAMLLRSCPVL SQGPTG LLGKVAKYQFLFSIGRCPILATQGP TCSQIHLKATKAGGELQDRKSKIV  
 QRAAPEVQEDVKTFKTDLLSTMDSTTRSHSFP SFQEPEQTEGAVPHLIQNNMTGSQAFGYDQFFRDKIME  
 KKQDHTYRVFKTVNRWANAYPFAQHFSEASMASKDVS VWCSNDYLGISRHPVLQAIETLKNHGAGAGG  
 TRNISGTSKFHVELEQELAE LHQKDSALLFSSCFVANDSTLFTLAKLLPGCEIYSDAGNHASMIQGIRNS  
 GAAKFVFRHNDPGHLKLLLEKSDPKTPKIVAFETVHSM DGAICPLEELCDVAHQYGALTFVDEVHAGVLY  
 GARGAGIGERDGI MHKLDIISGTLGKAFGCVGGYI ASTRDLVDMVRSYAAGFI FTSLPPMVL SGALESV  
 RLLKGEEGQALRRAHQRNVKHM RQLLMDRGFVPVIPC SHIPIRVGNAALNSKICD LLLSKHSIYVQAIN  
 YPTVPRGEELLRLAPSPHHSPQMMENFVEKLLLA WTEVGLPLQDVSVAACNFCHRPVHFELMSEWERSYF  
 GNMGPQYVTTYA

**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV**

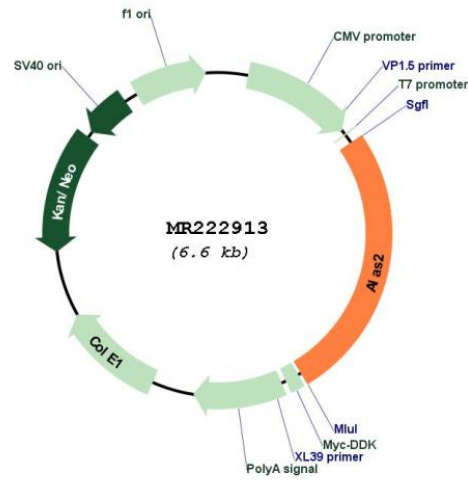
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001102446

ORF Size: 1716 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001102446.1</a> , <a href="#">NP_001095916.1</a>
<b>RefSeq Size:</b>	1938 bp
<b>RefSeq ORF:</b>	1719 bp
<b>Locus ID:</b>	11656
<b>UniProt ID:</b>	<a href="#">P08680</a>
<b>Cytogenetics:</b>	X 68.46 cM
<b>MW:</b>	63.5 kDa