

Product datasheet for **MC222644**

Als2 (NM_146109) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Als2 (NM_146109) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Als2
Synonyms:	3222402C23Rik; 9430073A21Rik; Als2cr6; Alsin; mKIAA1563
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC222644 representing NM_146109
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTCAAAGAAGAAAAGCTCAACAGAGGCAGAAGGATCCAAAGAAGAGGCCTAGTCCATGTCTGGC
 AGGCAGGATCCTTTCTCTAACACCAGAGAGGTTGCCAGGCTGGGGTGGAAAGACAGTTCTTCAGGCAGC
 CCTTGGTGTGAGGCATGGAGTCTTCTGACTGAAGATGGTGAAGTCTACAGCTTTGGGACTCTTCCCTGG
 AAAAGTGAATCAGCAGAAATTTGTCCAAGCAGCCCTTCTAGAAAAGTGCCTGGTTGGGCATCATGTTA
 TTAAGTGTGGCAACAGGGAGCTTCCACAGTGGAGCAGTGACAGAGAGCGGGTGGTGTACATGTGGGGAGA
 GAATGCTGCCGGCAGTGTGCGGTAGCTAACCAGCAGTATGTGCCGGAGCCGAGTCTGTGAGCATTCTCT
 GACTCGGAGACCAGCCGTCATTAGCAGTTAGGATTCTGCAATTGGCATGTGGCGAGGAACACACTGG
 CATTGTCACTCAGCAGAGAGATCTGGGCATGGGGCACCAGGCTGTGAGTGGCCCTCATCACCACCCTTT
 CCCAGTGACAAAGCCACAGAAGGTGGAACACCTTGTGGACGCGTGGTGTCCAGGTGGCCTGCGGTGCA
 TTCCACAGCCTTGCACTTGTGCAAGTGCCTCCCTCCTCAGGATCTGAAGCCAGTCCAGAGAGATGCAATC
 AGTGCAGCCAGCTGCTCATCACCATGACAGACAAGAGGACCATGTGATAATATCGGACAGCCATTGCTG
 CCCTTTAGGTGTGACATTGTCCGAGTCTCAAGCAGAAAAGCATGCCAGCCCTGCTCCCAGCCCTCACCCA
 GAGGCACTGGATGAGCAGGGAGAGGTTTGGAAACACGGTGGTGAAGCTGAACATGGGAAGCA
 GTCAGACCACAAGTGGCAGTGCATTTCCACCCAGCAGAACGTCGTGGGAACAGCTGAAGTGTCTTCTGC
 CAGAACAGCTCCGTCATACCCAGACCCCATGCCGTAAGTGCATACCTGCAGAAGCTGTGAGCAGCATTCC
 ATGAGGGAGAACCATGAGCCTGGAGAAAAGCCACCCAGTCCAGCCTTGTAGAAGAAGCAGTCTCTGT
 ATCTTACAGTCCACCAACCACAAGCCTCAGCCCTCAACAGCTTGGTGGTCTCCTGTGATCTGCTGT
 TGGTGTGAGAGTGGTGCACCTATGAAGCTGGGGCCTTGTCTCTCAAGAAAGTTATGAACTTTTACAGC
 ACTGCCCCCTGCGAGACGGCAGTCAAGTCCGGCAGTGCCTCCACAGGCCAGAAAAGTCTGAAAGATCTCC
 GAGAAGAGCAGGTGAAACAGGAGTCACTGCAAGGGAAGAAAAGCTCAAGTCTCATGGACATCAGAGAGGA
 GGAGTTGGAGGGAGGAGTGAAGACTCTCCCTCCCAGGGTGTGTGCGCAAGTTTCCCCAGGCTCTTA
 AGGAAGGCTGCGAGGGTGAAGACTCGGACAGTGGTCTGACTCCACATACAGTGGAGAAGCAGATGCC
 TTCTGCCTTCCCTGAGGACAGAGGTGTGGACCTGGGGAAAGGCAAGGAAGGGCAGTAGGGCACGGCGA
 CGTCTGCCAGGCTTCCAGCCTTGTGTGCAAGTGTCTGGATGGTAAAGAGGTAATCCACCTGGAGGCG
 GGGGCTCCCCTCCCTCGACTCACTCGGAAATCTCAGGTTTACTCATGGGCGAGTAATACCTTTGGTC
 AGCTTGGGCATTCTGAGTTTCCAACAACGGTTCCTCGACTCTCAAGGTTAGCAGTGAAAATGGAGTCTG
 GAGTGTAGCTGCAGGCCAAGATTATTCCTTGTTTTTAGTGGACACGGAAGACTTCCAGCCTGGGTGTAT
 TACAGTGGCCGACAGGACCGTGCAGAAGGTGATACCCTGCCAGAGAATCCAGTGGTACAAGACTCCAG
 TACTTCTCCTGTAGTAAGCTTGGATACATAAGCAGAGTAACAGCAGGAAAAGATAGCTATCTAGCCTT
 GGTGGATAAGAATCATGGGATACATCGCCAGTCTCCATGAGTTGGCTTCTACAGAAAGACGGTTTTAC
 TCAAAACTGAGCGAAATCAAATCACAGATACTTAGGCCTTCTCAGTTTAGAAAATTTGGGCACAGTGA
 CCACTGTCCAGCTGTTGACGGAAGTTGCCAGCCGTTCCAGCAAGTTGTGTACCTCATTGGGCAGCATGG
 AGCCTCACTAAGCAGTACCTACAGGGCATGAAGGAAGCCAGCAGCCTGGTATCATGAAGCACTAAGT
 CTTTTCTGGACAGTACACAGAGTACTGCACATCAGTTTCAAATTTCTGGTTATGGGAGGATTCCAGC
 TTCTTGCTAAGCCTGCCATTGATTTCTAAATAAAAACCAAGAACTCTTGCAAGATTTGTGAGAAGTGA
 TGATGAGAACACTCAGTTGATGGAAATCCTGAACATGCTGTTTTTCTTGCCAATCAGACGACTTCATAAT
 TATGAAAAGTTTTGCTAAAGCTTGGCCTTGTGTTGAAAGTGGTGGTTTCTGTGTGCCCCCTCAAATA
 CTCGGGAAGCCAAAGTCAAAGTGTGTTGTTGATTAAAGTCTCCTTAAGATGTTGGGCCCGGGCTGG
 TGAGATGGCTCAGTGGGTAAGAGCACCTGACTGCTTCCGAAGTCCGGAGTTCAAATCCCAGCAACCA
 CATGGTGGCTACAACCACCCGTAATGAGATCTGACGCCCTCTTCTGGAGCTT**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN:	NM_146109
Insert Size:	2787 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).
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:	NM_146109.3 , NP_666221.1
RefSeq Size:	2977 bp
RefSeq ORF:	2787 bp
Locus ID:	74018
UniProt ID:	Q920R0
Cytogenetics:	1 C1.3
Gene Summary:	<p>May act as a GTPase regulator. Controls survival and growth of spinal motoneurons. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, 3' UTR, and 3' coding sequence compared to variant 3. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1.</p>