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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACTCAAAGAAGAAAAGCTCAACAGAGGCAGAAGGATCCAAAGAAAGAGGCCTAGTCCATGTCTGGC
AGGCAGGATCCTTTTCTCTAACACCAGAGAGGTTGCCAGGCTGGGGTGGAAAGACAGTTCTTCAGGCAGC
CCTTGGTGTGAGGCATGGAGTTCTTCTGACTGAAGATGGTGAGGTCTACAGCTTTGGGACTCTTCCCTGG
AAAAGTGAATCAGCAGAAATTTGTCCAAGCAGCCCCCTTCTAGAAAGTGCCCTGGTTGGGCATCATGTTA
TTACTGTGGCAACAGGGAGCTTCCACAGTGGAGCAGTGACAGAGAGCGGGGTGGTGTACATGTGGGGAGA
GAATGCTGCCGGGCAGTGTGCGGTAGCTAACCAGCAGTATGTGCCGGAGCCGAGTCCTGTCAGCATTTCT
GACTCGGAGACCAGCCCGTCATTAGCAGTTAGGATTCTGCAATTGGCATGTGGCGAGGAACACACACTGG
CATTGTCACTCAGCAGAGAGATCTGGGCATGGGGCACCGGCTGTCAGCTGGGCCTCATCACCACCACTTT
CCCAGTGACAAAGCCACAGAAGGTGGAACACCTTGCTGGACGCGTGGTGCTCCAGGTGGCCTGCGGTGCA
TTCCACAGCCTTGCACTTGTGCAGTGCCTCCCTCCTCAGGATCTGAAGCCAGTCCCAGAGAGATGCAATC
AGTGCAGCCAGCTGCTCATCACCATGACAGACAAAGAGGACCATGTGATAATATCGGACAGCCATTGCTG
CCCTTTAGGTGTGACATTGTCCGAGTCTCAAGCAGAAAAGCATGCCAGCCCTGCTCCCAGCCCTCACCCA
GAGGCACTGGATGAGCAGGGAGAGGTGTTTGAGAACACGGTGGTAGAAGCTGAACTGAACATGGGAAGCA
GTCAGACCACAAGTGGCAGTGCCATTTCCACCCAGCAGAACGTCGTGGGAACAGCTGAAGTGTCTTCTGC
CAGAACAGCTCCGTCATACCCAGACACCCATGCGGTAACTGCATACCTGCAGAAGCTGTCAGAGCATTCG
ATGAGGGAGAACCATGAGCCTGGAGAAAAGCCACCCCAGGTCCAGCCTCTTGTAGAAGAAGCAGTTCCTG
ATCTTCACAGTCCACCAACCACAAGCACCTCAGCCCTCAACAGCTTGGTGGTCTCCTGTGCATCTGCTGT
TGGTGTCAGAGTGGCTGCCACCTATGAAGCTGGGGCCTTGTCTCTCAAGAAAGTTATGAACTTTTACAGC
ACTGCCCCCTGCGAGACGGCAGCTCAGTCGGGCAGTGCCTCCACAGGCCCAGAAAGTCTGAAAGATCTCC
GAGAAGAGCAGGTGAAACAGGAGTCACTGCAAGGGAAGAAAAGCTCAAGTCTCATGGACATCAGAGAGGA
GGAGTTGGAGGGAGGGAGTCGAAGACTCTCCCTCCCAGGGTTGTTGTCGCAAGTTTCCCCCAGGCTCTTA
AGGAAGGCTGCGAGGGTGAAAACTCGGACAGTGGTTCTGACTCCCACATACAGTGGAGAAGCAGATGCCC
TTCTGCCTTCCCTGAGGACAGAGGTGTGGACCTGGGGGAAAGGCAAGGAAGGGCAGCTAGGGCACGGCGA
CGTCCTGCCCAGGCTTCAGCCGTTGTGTGTCAAGTGTCTGGATGGTAAAGAGGTAATCCACCTGGAGGCG
GGCGGCTCCCACTCCCTCGCACTCACTGCGAAATCTCAGGTTTACTCATGGGGCAGTAATACCTTTGGTC
AGCTTGGGCATTCTGAGTTTCCAACAACGGTTCCTCGACTCTCAAAGGTTAGCAGTGAAAATGGAGTCTG
GAGTGTAGCTGCAGGCCAAGATTATTCCTTGTTTTTAGTGGACACGGAAGACTTCCAGCCTGGGTTGTAT
TACAGTGGCCGACAGGACCGTGCAGAAGGTGATACCCTGCCAGAGAATCCCAGTGGTACAAAGACTCCAG
TACTTCTCTCCTGTAGTAAGCTTGGATACATAAGCAGAGTAACAGCAGGAAAAGATAGCTATCTAGCCTT
GGTGGATAAGAACATCATGGGATACATCGCCAGTCTCCATGAGTTGGCTTCTACAGAAAGACGGTTTTAC
TCAAAACTGAGCGAAATCAAATCACAGATACTTAGGCCTCTTCTCAGTTTAGAAAATTTGGGCACAGTGA
CCACTGTCCAGCTGTTGCAGGAAGTTGCCAGCCGGTTCAGCAAGTTGTGTTACCTCATTGGGCAGCATGG
AGCCTCACTAAGCAGCTACCTACAGGGCATGAAGGAAGCCAGCAGCCTGGTCATCATGAAGCACTCAAGT
CTTTTCCTGGACAGCTACACAGAGTACTGCACATCAGTTTCAAATTTCCTGGTTATGGGAGGATTCCAGC
TTCTTGCTAAGCCTGCCATTGATTTCCTAAATAAAAACCAAGAACTCTTGCAAGATTTGTCAGAAGTGAA
TGATGAGAACACTCAGTTGATGGAAATCCTGAACATGCTGTTTTTCTTGCCAATCAGACGACTTCATAAT
TATGCAAAAGTTTTGCTAAAGCTTGCCACTTGCTTTGAAGTGGTAGGTTTCGTGTGTGCCCCTCCAAATA
CTCGGGAAGCCAAGAGTCAAAGTAGTTTGTTTGCATTAAGTCTCCTTAAGATGTTGGGCCCCGGGGCTGG
TGAGATGGCTCAGTGGGTAAGAGCACCTGACTGCTCTTCCGAAGGTCCGGAGTTCAAATCCCAGCAACCA
CATGGTGGCTCACAACCACCCGTAATGAGATCTGACGCCCTCTTCTGGAGCTTCTGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

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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:	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:	May act as a GTPase regulator. Controls survival and growth of spinal motoneurons. [UniProtKB/Swiss-Prot Function] 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.

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