

Product datasheet for **MC222813**

Als2cl (NM_146228) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Als2cl (NM_146228) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Als2cl
Synonyms:	79H19D; 79H19E; BC022645; D930044G19Rik; mRn.49018
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC222813 representing NM_146228
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTAGCTCTGAGGAGCAGACCTGCTCCGGCTGGAGGAGTCTTCTCAACGACTCTTGCTCGAACCA
 TCAGTCTCATCCTGCAGCCTCTGCTCTTAGCTGACCCGGAGCCCTCAGATCCCTGTGGCAAAGAGTGCCT
 TCGGCTTCTGCAGCAGCTGCATGAGAGTGCCAGCGGTTGTGGTATGTGACAGAGCAAAGCCTGCTTTCG
 CTGCGGCAGAGGCTATACCACCCACCTTCCAAGGGTCTAGAGGCCGTGCTGTTACTGAGCAATGCTGACC
 ATGTCCTACAAGCCACATGGAATACATCAAGTCTACACTGATTGCGTGGTGGCGCAAGCTTTTCAGAA
 GGTCTCAAAGAAGAGGAGTGAGTCTGGAGGAGCCAGCGCAAGGCGTGAGGCAGCTACTGCTCTGCG
 AACTCTGAGGGCTCTGTGGCCACCAGATGTGCCAGGCCCTCCGCCAGCCACTCTCCAGCACGTGCAGA
 AATACTTGCTTCTCTGCTGAGCCTCAGGGACACCCTTGATGAGAGCCACCCGGCCAGGAGCTGGTGAT
 GCATGCTATCACCTGTTTGGAAACCTGCAGTCCCTCATGGGACAGGCCCTGGACCAAGCTGTGGCCACA
 CAGGCCCTGTGGCACAGCCTCAGCAGCCGGCTGAGGGATGTGCTCTGCAGCCCTGCTCACCGACTCTTGC
 AGGACAGCCAGGACATCCCCGTGGTGGTCACTCCACTGCGGGCTGAGCGCGTGTGCTCTTTGATGACTC
 GCTTGTCTGTTGCAGGGCCACAATACCACACGTTTGACCTGAAAGTGGTGTGGGTAACCCGGCCAA
 GACAAGTGTGTGCTTCATATCCTCACTCCTGAAGAAGAGATCTCCTTCTGCACCAGAGACCCCGAGGCC
 AGGTTGTCTGGCAGTGAAGGTGACCCAGGCTGTGTGCCAGGCCCTCTGTGGCAAGAAGGACTTCCCTGT
 GCTGGGATCAGGCCGGGAGAGCTCTGTGCCTCCTGAATGTCGCTGTGTGGCTATACCTCCGCCGAGAG
 GGGCGGCTCTGCCAGGCTACCTATGATGGCGAGTGGTGTGAGCTAAGCCCCATGGCAAGGGAACCTGA
 AGTGGCCAGATGGGCGGAACACGTGGGACTTTTACCAGGGCTTGAGCATGGCTTTGGCATCTGCTGAG
 GGTGCCCCAGGCCCTCTGAGGACAAGTTTACTGTTACAAGTGCCACTGGCGGGAAGGCAGGATGTGTGAG
 TACGGCATCTGTGAGTATGGCACTGACGAGGTGTACAAGGGCTATTTTCAGGCCGGTCTGCGGCACGGGT
 TTGGCATCCTCGAGAGTGCCCCACAGGCTCCCCAGCCCTCAGGTACACGGGCCACTGGGAGAGAGGCCA
 GAGGAGTGGCTACGGCATCGAGGAGGACAGGGACAGGGCGAGCGCTACATTGGCATGTGGCAGGCTGAC
 CAGCGTCATGGCCCTGGGGTCTGGTCAACCAGGCAGGCGTCTGCTATCAGGGCACATCCAAGGGGACA
 AGATGGCTGGCCAGGCATCCTGCTCTGCGAGGACGACTCTCTGTACGAAGTACTTTTACCAGGGACCT
 GACGCTCTAGGGAAGGGCAAGGTACCTTCCCCAATGGTTTTACCTTGGATGGTCTTTTACGAGTGGG
 ACAGATAAAGGACTGTACACACAGGAGTGTGGACACGGCTGCCCTCCCACCTGACCCAAGCAGCACAC
 GCAAGAGACAGCTGGGACTGGGCACCTTCCCTGTGGAGAGCCGCTGGCAGGGAGTCTACAGCCCTTCCG
 GGACTTCTTGCCTTAGGCTGTCCTGGGGAACAGCAGGAAGCCCTCCTGGGCTTCCACACGCAGAGCTCC
 AGGGAGCTACGCAAGTCCAGGAGTGCCTGTGTTGTGAGAGGAGCCACCCGAGGACTGTGTGGGACGA
 TGGAAGATACCCTGAAGGAGCTGCTGCAGCACCGAAGCCCAAGGCCCTGCAGCAGTACCTCAGGAAGGC
 TCTGAGCAATCCCGACACCCCTGGGGCAGTGTCTCCGACCCTGATGCTGACCTTCCAGGCCACATAT
 TCAGGCATCGGGGCAACAAACACCTGCAGGAGATGGCCAGGAGGAGTGAAGCAGCATGCCCGGGAGC
 TTTGGGCTGCCTACAGGGGTCTACTGAAGTGTGCTTGCAGCGCCAGGGCCAGACCCTGGAGGAGGAGAA
 CATGGAGACCAGGGACCTGCAGGTGCACGGGTTGCTCTTGCCCTCATCCTGCCAGCTTCTACTCAGAG
 CTCTTACACTGTACCTGCTTCTCCATGAGAGAGAGGATGGACTGTACAGCCGGGCACTACCAACCTCA
 GCCTTCTCCCTGACACCAAGCTGCTGGAGTTCCTGGATGTGACAGAAGCATCTGTGGCCCTCAAGGACCT
 CAAGCTGACAAGCAATCAGAGATATTCTGCTCGGGACAAGTGTTCCTGACGGCCACTGAGTGTCTG
 CAGAAGATCATACCACAGTGCACCCTCGGGAGAAGCTGGAGGTAAGTGGAGAAGACCTATGGGAAATTG
 AGGCCACGGTGTACGGGTGCTGGGCTGCAAAATAAACTGCCCATGGATGACCTATTGCCACTGCTTAT
 CTATGTGGTGTCCGAGCTCGAATTCAGCATCTGGGAGCTGAGATCCACCTGATCCGTGACATGATGGAT
 CCCGTCCACACAGGTGGCCTCCATGACTTCTGCTGACAGCTTTAGAGTCTGTTATGAGCACATCCAGA
 AGGAAGACATGAGGCTGCACCATCTGCCGGGCACTGGGACGCTAGAGAAGTCTGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:	NM_146228
Insert Size:	2859 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_146228.4 , NP_666340.3
RefSeq Size:	5103 bp
RefSeq ORF:	2859 bp
Locus ID:	235633
UniProt ID:	Q60I26
Cytogenetics:	9 60.79 cM
Gene Summary:	Acts as a guanine nucleotide exchange factor (GEF) for Rab5 GTPase. Regulates the ALS2-mediated endosome dynamics (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same protein.