

## Product datasheet for **MR207413**

### Asl (NM\_133768) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Asl (NM_133768) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Asl
Synonyms:	2510006M18Rik; ASAL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207413 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCATCAGAGAGCGGGAAGCTATGGGGTGGCCGGTTTGTGGGTGCTGTCGACCCCATCATGGAGAAGT  
 TCAACTCATCTATCTCTATGACCGGCATCTGTGGAATGTGGATGTGCAGGGGAGCAAGGCCTACAGCAG  
 GGGCCTGGAGAAGGCGGGCTTCTACCAAAGCCGAGATGCAGCAGATACTGCAAGGGTTGGACAAGGTT  
 GCTGAAGAGTGGGCCAAGGCACCTTCAAATTACATCCTAATGATGAAGACATCCACACAGCCAACGAGC  
 GGCGCCTGAAGGAACTCATCGGTGAAGCTGCAGGGAAGCTACACACAGGACGAAGTCGCAACGACCAGGT  
 GGTACGGACCTCAGGCTGTGGATGAGGCAGACCTGCTCAAACCTCTCCGCCCTCTCCGGGTGCTCATT  
 GGAACCATGGTCGACCGGGCAGAGGCGGAACGTGATGTCCTCTCCAGGGTACACACACTTGCAGAGAG  
 CTCAGCCCATTTCGCTGGAGCCACTGGATCCTGAGCCACGCTGTTGCGCTGACACGAGATTACAGAGACT  
 CTTGGAGGTGCAGAAGCGGATCAATGTCTTGCCACTGGGGAGTGGGGCCATTGCAGGCAACCTCTGGGT  
 GTGGACCGGGAGCTACTCCGTGCAGAACTGAACTTTGGGGCCATCACTCTCAACAGCATGGATGCCACCA  
 GTGAGAGAGACTTTGTGGCTGAGTTCCTGTTTTGGGCTTCTCTGTGTATGACCCACCTCAGCAGGATGGC  
 AGAGGACCTAATCTCTATGGTACCAAGGAATTCAGCTTTGTGCAACTCTCAGATGCCTACAGCACCAGGA  
 AGCAGCTTGATGCCCCAGAAGAAAAACCCAGACAGCCTGGAGCTGATCCGGAGCAAGGCGGGCCGAGTGT  
 TTGGACGGTGTGCCGGACTCCTGATGACCTCAAGGGACTTCCAAGCACCTACAACAAGGACTTACAGGA  
 AGACAAGGAGGCTGTGTTGAAGTGTCTGACACCATGATAGCTGTCTCCAAGTGGCCACTGGAGTCATC  
 TCTACATTGCAGATTCATCGTGAGAACATGAAACAGGCGCTCAGCCCTGACATGCTGGCCACGGACCTCG  
 CCTACTACCTGGTCCGAAAGGGATGCCATTCGCCAGGCCACGAGGCCCTCAGGAAAGTGTGTTTCAT  
 GGCAGAGACTAAAGGAGTGGCTCTCAACCTGCTGTCGCTACAGGAGCTGCAGACCATCAGTCCCCTGTTT  
 TCAGGTGATGTGAGTCACGTGTGGGACTACAGTCACAGCGTGAACAGTACAGTGCCTTGGGTGGCAGAG  
 CGAAATCCAGTGTGCAATGGCAGATCAGGCAGGTGCGGGCCCTACTGCAAGCCCAGGAGCCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207413 protein sequence  
 Red=Cloning site Green=Tags(s)

MASESGKLWGRFVAVDPIMEKFNSSISYDRHLWNVDVQGSKAYSRLGKAGLLTKAEMQQILQGLDKV  
 AEEWAQGTFLKHPNDEDIHTANERRLKEFIGEAGKLHTGRSRNDQVVTDLRLWMRQTC SKLSALLRVL I  
 GTMVDRAEAERDVLFPGYTHLQRAQPIRWSHWILSHAVALTRDSERLLEVQKRINVLPLGSGAIAGNPLG  
 VDRELLRAELNFGAITLNSMDATSERDFVAEFLFWASLCMTHLSRMAEDLILYGTKEFSFVQLSDAYSTG  
 SSLMPQKKNPDSLELIRSKAGR VFGRCAGLLMTLKG LPSTYNKDLQEDKEAVFEVSDTMI AVLQVATGVI  
 STLQIHRENMQALSPDMLATDLAYYLVRKGMPFRQAHEASGKAVFMAETKGVALLNLLSLQELQTI SPLF  
 SGDVS HVWDYSHSVEQYSALGGTAKSSVEWQIRQVRALLQAQEP

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_133768

**ORF Size:** 1395 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\\_133768.5](#)
**RefSeq Size:** 1589 bp

**RefSeq ORF:** 1395 bp

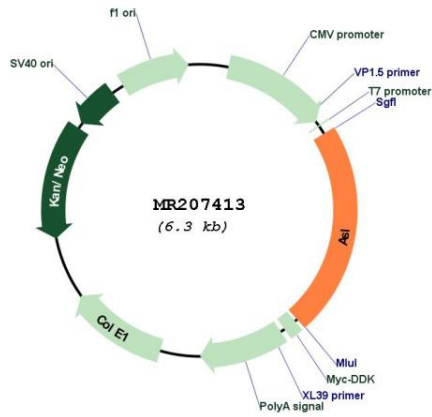
**Locus ID:** 109900

**UniProt ID:** [Q91YI0](#)

Cytogenetics: 5 68.37 cM

MW: 51.7 kDa

**Product images:**



Circular map for MR207413