

Product datasheet for **MG207413**

Asl (NM_133768) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asl (NM_133768) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Asl
Synonyms:	2510006M18Rik; ASAL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207413 representing NM_133768
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCATCAGAGAGCGGGAAGCTATGGGGTGGCCGGTTTGTGGGTGCTGTCGACCCCATCATGGAGAAGT
 TCAACTCATCTATCTCCTATGACCGGCATCTGTGGAATGTGGATGTGCAGGGGAGCAAGGCCTACAGCAG
 GGGCCTGGAGAAGGCGGGCTTCTCACCAAGCCGAGATGCAGCAGATACTGCAAGGGTTGGACAAGGTT
 GCTGAAGAGTGGGCCAAGGCACCTTCAAATTACATCCTAATGATGAAGACATCCACACAGCCAACGAGC
 GGCGCCTGAAGGAACTCATCGGTGAAGCTGCAGGGAAGCTACACACAGGACGAAGTCGCAACGACCAGGT
 GGTACGGACCTCAGGCTGTGGATGAGGCAGACCTGCTCAAACCTCTCCGCCCTCTCCGGGTGCTCATT
 GGAACCATGGTCGACCGGCAGAGGCGGAACGTGATGTCCTCTCCAGGGTACACACACTTGCAGAGAG
 CTCAGCCCATTTCGCTGGAGCCACTGGATCCTGAGCCACGCTGTTGCGCTGACACGAGATTGAGAGACT
 CTTGGAGGTGCAGAAGCGGATCAATGTCTTGCCACTGGGGAGTGGGGCCATTGCAGGCAACCTCTGGGT
 GTGGACCGGGAGCTACTCCGTGCAGAAGTGAACCTTGGGGCCATCACTCTCAACAGCATGGATGCCACCA
 GTGAGAGAGACTTTGTGGCTGAGTTCCTGTTTTGGGCTTCTCTGTGTATGACCCACCTCAGCAGGATGGC
 AGAGGACCTAATTCTCTATGGTACCAAGGAATTCAGCTTTGTGCAACTCTCAGATGCCTACAGCACC
 AGCAGCTTGATGCCCCAGAAGAAAAACCCAGACAGCCTGGAGCTGATCCGGAGCAAGGCGGGCCGAGTGT
 TTGGACGGTGTGCCGGACTCCTGATGACCTCAAGGGACTTCCAAGCACCTACAACAAGGACTTACAGGA
 AGACAAGGAGGCTGTGTTGAAGTGTCTGACACCATGATAGCTGTCTCCAAGTGGCCACTGGAGTCATC
 TCTACATTGCAGATTCATCGTGAGAACATGAAACAGGCGCTCAGCCCTGACATGCTGGCCACGGACCTCG
 CCTACTACCTGGTCCGCAAAGGGATGCCATTCCGCCAGGCCACGAGGCCCTCAGGAAAGCTGTGTTTCAT
 GGCAGAGACTAAAGGAGTGGCTCTCAACCTGCTGTCGCTACAGGAGCTGCAGACCATCAGTCCCCTGTTT
 TCAGGTGATGTGAGTCACGTGTGGGACTACAGTCACAGCGTGAACAGTACAGTGCCTTGGGTGGCAGAG
 CGAAATCCAGTGTGCAATGGCAGATCAGGCAGGTGCGGGCCCTACTGCAAGCCCAGGAGCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207413 representing NM_133768
 Red=Cloning site Green=Tags(s)

MASESGKLWGRFVGAVDPIMEKFNSSISYDRHLWNVDVQGSKAYSRLGKAGLLTKAEMQQILQGLDKV
 AEEWAQGTFLKHPNDEDIHTANERRLKEFIGEAAAGKLHTGRSRNDQVVDLRLWMRQTCSKLSALLRVLI
 GTMVDRAEAERDVLFPGYTHLQRAQPIRWSHWILSHAVALTRDSERLLEVQKRINVLPLGSGAIAGNPLG
 VDRELLRAELNFGAITLNSMDATSERDFVAEFLFWASLCMTHLSRMAEDLILYGTKEFSFVQLSDAYSTG
 SSLMPQKKNPDSLELIRSKAGRVFGRGALLMTLKGLPSTYNKDLQEDKEAVFEVSDTMIAVLQVATGVI
 STLQIHRENMKQALSPDMLATDLAYYLVKGMPPFRQAHEASGKAVFMAETKGVALLNLSLQELQITISPLF
 SGDVSHVWDYSHSVEQYSALGGTAKSSVEWQIRQVRALLQAQEP

TRTRPLE - GFP Tag - V

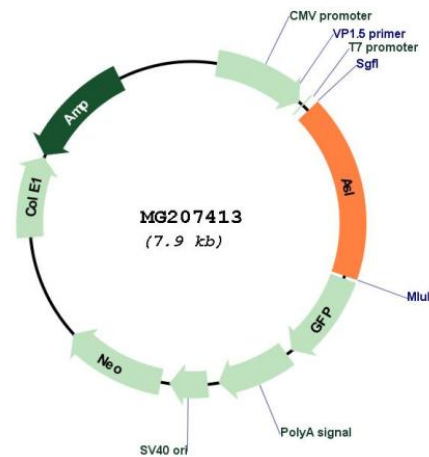
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_133768

ORF Size:

1392 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:	<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:	<u>NM_133768.5</u>
RefSeq Size:	1783 bp
RefSeq ORF:	1395 bp
Locus ID:	109900
UniProt ID:	<u>Q91YI0</u>
Cytogenetics:	5 68.37 cM