

## Product datasheet for MR203459

### Ascl2 (NM\_008554) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ascl2 (NM_008554) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ascl2
Synonyms:	2410083I15Rik; bHLHa45; Mash2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203459 representing NM_008554 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAAGCACACCTTGACTGGTACGGGGTCCCAGGACTGCAGGAGGCCAGCGACGCGTGCCTAGGGAGT  
CCTGCAGCAGTGCCTGCCTGAGGCCCGTGAAGGTGCAAACGTCCACTTCCCACCGCACCCGGTTCCTCG  
CGAGCACTTTTCTGTGCCGCACCAGAACTCGTAGCAGGGGCCAGGGGCTGAATGCAAGCTTGATGGAC  
GGCGGCGCGCTGCCAGACTCATGCCACCTCGTCTGGAGTCGCTGGAGCCTGCGCTGCTCGCGGAGAC  
AAGCGTCTCCGGAATTGCTGCGCTGCAGCCGGCGCGCGATCTGGAGCAACCGAGGCCAGCAGCAGCTC  
GGCTGCCGTGGCAGCCGCAATGAGCGGAGCGCAACCGCGTAAAGCTGGTAAACTTGGGCTTCCAGGCG  
CTGCGGCAGCACGTGCCGCACGGCGCGCCAACAAGAAGCTGAGTAAGGTGGAGACGCTGCGCTCCGCGG  
TAGAGTACATTTCGTGCGCTGCAGCGGCTGCTCGCAGAGCACGACGCGGTGCGTGCCGCGCTCGTGGGG  
GCTGTTAACACCCGCTACTCCGCCGTCCGATGAGTGCGCGCAGCCCTCTGCCTCCCCTGCCAGCGCTCT  
CTGTCTGCGCTCTACGTCTCCGTCCCCGACCGCTGGGTGCTCTGAGCCTACCTCCCCGCGCTCCG  
CCTACTCGTCGGAGAAAGCAGCTGCGAGGGAGAGCTAAGCCCGATGGAGCAGGAGCTGCTTGACTTTTC  
CAGTTGGTTAGGGGGCTAC

ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA  
TTACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR203459 representing NM\_008554  
Red=Cloning site Green=Tags(s)

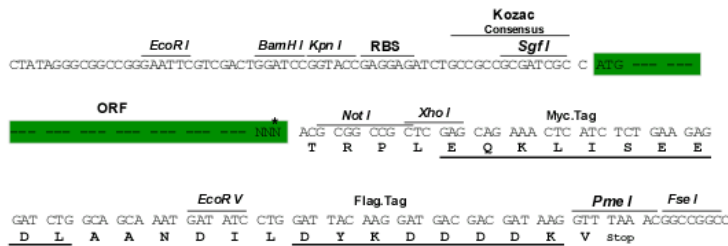
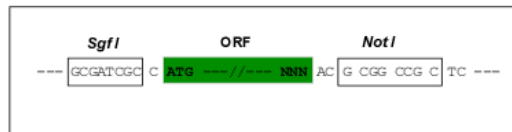
MEAHLDWYGVPLQEASDAPRESCSSALPEAREGANVHFPPHPVPREHFSCAAPELVAGAQLNASLMD  
 GGALPRLMPTSSGVAGACAARRRQASPELLRCSRRRRSGATEASSSSAAVARRNERNRVKLVNLGFQA  
 LRQHVPHGGANKKLSKVETLRSAYEYIRALQRLLAEHDAVRAALAGLLTPATPPSDECAQPSASPASAS  
 LSCASTSPSPDRLCGSEPTSPRSAYSSEESSCEGELSPMEQELLDFFSSWLGYY

TRRLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-NotI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_008554

**ORF Size:** 789 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\\_008554.3](#)

**RefSeq Size:** 1606 bp

**RefSeq ORF:** 792 bp

**Locus ID:** 17173

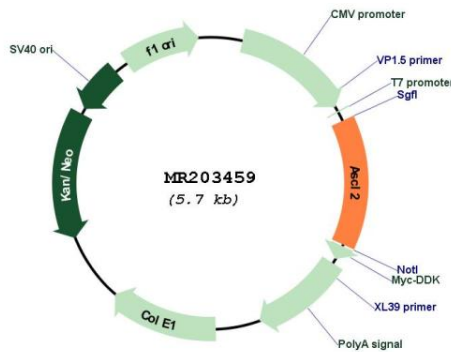
**UniProt ID:** [O35885](#)

**Cytogenetics:** 7 88.08 cM

**MW:** 28.2 kDa

**Gene Summary:** AS-C proteins are involved in the determination of the neuronal precursors in the peripheral nervous system and the central nervous system.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR203459