

## Product datasheet for MR229457

### Ascc1 (NM\_001199187) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ascc1 (NM_001199187) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ascc1
Synonyms:	1810015P09Rik; AI550520; ASC1p50; CGI-18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229457 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATGTTCTACGCCACAGATTGTAACGTTTCGATGGACGGAATTATAGAAAGAATCCCATCCAGGAGA  
AACAGTACCAACATGAAGAAGACGAGGATTTCTATCCTGACTCCATGGAATACTCTGATGAGCCCTGCGG  
TGCTACGAGGTGGCACAGACCCCTCACGGATCCGGGCCACCGTCAGTGCCCTAGCCTGCTCTACAAG  
CACATAGTTGAAAGAGAGGGGATACCAAGAAAAAGATAGAAGTGGAGACTAAAACATCTATTAACATTC  
CGAAGCATGGGCATGAAGGGGAAATCGTGATCACTGGTCAGCATCGAAATGGCGTGGTCTCAGCGCGAAC  
ACGGATCGACGTGCTCCTGGACACGTTTCAGGAGGAGGCAGCCTTTTACCCACTTCCTTTCTTCTCCTC  
AATGAAGTTGAGGTTTCAGGAACGTTTTCTGATGTTCCAGGAGGAGGTGCTGAGGAAGTGCTCCAAGGATC  
GTGGAGTTGATAGCACCATTTTTCAGAACCCAAAAAGCTTACCTAACTATTGGGATGTTGGTACTTCT  
AAGTGAGCAGGAGATCCAGCAGACGTGTGAGATCCTGCAGCGCTGTAAGAGGAATTCATTAATGACATT  
TCTGGAGGCAGACCCCTGGAAGTCGAGATGGCAGGCATCGAATACATGAATGACGATCCTGCTATGGTGG  
ATGTTCTTTATGCCAAAGTCCACATGAAAGATGGCTCCAACAGGCTGCAGGAGCTGGTTGATCGAGTGCT  
GGAGCGTTTTTCAGTCCCTGGGACTCATCGTGAAGAGTGGACCAGTGTGAAACTGCACGCCACGGTCATG  
AACACACTGCTCAGGAAAGACCCCAACGCGGAAGGCAGTACAATCTCTACACAGCAGATGGCAAATATA  
TCTTCAAGGAGAGAGAGTCTTTTGATGGCCGGAACATTTTAAAGACATTTGAGAACTTCTACTTTGGTTTC  
CCTGAGGCTCAATTCTATTACATCTCCAGAGGTTACGGTGGACAGCTTTGAAACTATGCCTCCTGC  
GGACATGTTGACTTCTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229457 protein sequence  
Red=Cloning site Green=Tags(s)

MDVLRPQIVTFDGRNYRKNPIQEKQYQHEEDEDYFYPDSMEYSDEPCGAYEVAQTPHGFRATVSAPSLLYK  
 HIVGKRGDTKKKIEVETKTSINIPKHGHEGEIVITGQHRNGVVSARTRIDVLLDTFRRRQPFTHFLSFFL  
 NEVEVQERFLMFQEEVLKCKSKDRGV DSTIFQNPKKLHLTIGMLVLLSEQEIQQTCEILQRCKEEFINDI  
 SGGRPLEVEMAGIEYMNDPAMVDVLYAKVHMKDGSNRLQELVDRVLERFQSLGLIVKEWTSVKLHATVM  
 NTLRLKDPNAEGRYNLYTADGKYIFKERESFDGRNILKTFENFYFGLRLNSIHSQRFTVDSFGNYASC  
 GHVDFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_001199187

**ORF Size:** 1071 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\\_001199187.2](#), [NP\\_001186116.1](#)

**RefSeq Size:** 1492 bp

**RefSeq ORF:** 1071 bp

**Locus ID:** 69090

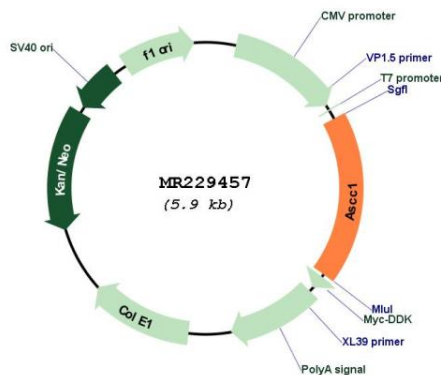
**UniProt ID:** [Q9D8Z1](#)

**Cytogenetics:** 10 B4

**MW:** 41.3 kDa

**Gene Summary:** Plays a role in DNA damage repair as component of the ASCC complex. Part of the ASC-1 complex that enhances NF-kappa-B, SRF and AP1 transactivation. In cells responding to gastrin-activated paracrine signals, it is involved in the induction of SERPINB2 expression by gastrin. May also play a role in the development of neuromuscular junction.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR229457