OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MG210450

Ascc2 (NM_029291) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ascc2 (NM_029291) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ascc2
Synonyms:	1700011I11Rik; 2610034L15Rik; AI482016; ASC1p100; AW046480
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>MG210450 representing NM_029291
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCAGCTCTGCCCCTGGACCAACTCCAGATCACCCACAAAGACCCGAAGACAGGACAGCCGAAGACTT
CAGCAGCGCTGAACCCTGAGCAGAAGGCAGACCGGTATTTTGTGTTGTACAAACCGCCCCCTAAAGACAA
CATTCCCGCCCTAGTGGAGGAGTACCTGGAACGTGCCAACTTCGTAGCTAATGACCTCGACTGGCTCCTG
GCCTTGCCTCACGATAAATTCTGGTGCCAGGTTATTTTTGATGAGACCCTGCAGAAGTGCCTGGACTCCT
ACCTGCACTATGTACCCCGAAAGTTTGATGAGTGGGTGGCCCCGACCCCTGAGGTGGCTGACATGCAGAA
TCACCTGCACCGGAGTGTTTTCCTCACCTTCCTCCGAATGTCCACGCACAAGGAATCCAAAGACCACTTC
ATTTCTCCATCTGCATTTGGAGAAATCCTCTACAACAACTTCCTCTTTGACATCCCGAAGATCCTGGACC
TCTGTGTGCTCTTTGGAAAAGGCAACTCACCACTGCTCCAGAAAATGATAGGAAACATATTTACCCAGCA
GCCAAGTTACTATACTGACCTGGATGAAACCATTCCCACCATACTTCAGGTCTTCAGCAATATCCTCCAG
CACTGTGGTTTGCAAGGGGATGGGACCAGCACCACACCCCAGAAACTCGGGGAGAGGAGTCCGTTGACCC
CCAGTGACATGCCTCTCTTGGAATTAAAGGACATTGTTCTCTACCTGTGTGACACCTCCACCACACTCTG
GGCCTTTCTGGACATCTTTCCTTTGGCCTGCCAAACCTTCCAGAAACATGACTTTTGTTACAGACTAGCT
TCCTTTTATGAGATGGCAATTCCGGAATTGGAGTCTGCAATTAAGAAGAGGAGGCTTGAAGACAGCAAGC
TCCTGGGTGACATGTGGCAGAGGCTCTCCCATTCCAAGAAGAAGCTAATGGAGGTGTTTCACATCATCCT
GAACCAGATCTGCCTGCTTCCCATTCTAGAGAGCAGCTGTGACAACATTCAAGGCTTCATTGAAGAATTC
CTTCAAATCTTCAGCTCTTTACTGCAGGAAAAAAGATTCCTCCGTGACTACGACACATTCTCCCCTGTAG
CTGAAGATATCAGCTTGCTGCAGCAAGCTTCATCAGCCTTGGATGAGACCCGGACTGCCTACATCCTCCA
GGCTGTGGAAAGTGCCTGGGAAGGGGTTGACAGACAGAAAATCAAGGACATTAAAGACCCACCAAGGGCC
AAGGGTTCTAATAATGAAGTCACAGTGACAGCAGAGCCGGTCAGTGAGATGCCATCCCAGCTGGAGAACT
TAGAAGAGGATGAGGAGTGCATGGGTGCAGCAGCTGCGCTGGGCCCTGCCGTGAGTGGTGTGGAACTAGA
CTCACTCATCTCCCAAGTGAAGGACCTGCTGCCAGACCTCGGCGAGGGCTTTATTCTGGCCTGCCTGGAG
CACTACAGCTATGACTCAGAGCAGGTGATCAACAACATCCTGGAGGATCGGCTGGCCCCTGAGCTCAGTC
AGCTGGACCGAGGCCTAGAAAGACAAGTGAAGCCGGACCCTACACCCCTGTTGTCATCTCGTCACAACAT
CTTCCAGAACGATGAGTTTGATGTGTTCAGCAGGGACTCGGTGGACCTGAGCCGAGTGCACAAGGGCAGG
AGGAAGGAGGAGAACGTGAGGAGCCTGGTGAATGACAAGCAGGCTGTGGTGGCACAGTGGCAGCGCTACC
AGAAGTACAGCGTGGTGGTAGAGGAGGTCCCCCTGCAGCCAGGAGAATACCAGGCTGATGACTATGAGGA
CGAGTATGACGACACATACGATGGCAACCAGGTGGGCGCCAACGATGCAGACTCTGATGACGAGCTCATC
AGCCGCAGGCCCTTCACCATCCCTCAGGTGCTGAGAACCAAAATGCCTGGCGAAGTGCAGGAGGAGGAGT
GGGATGAAGAGGATGAGGTGGAAGAGGAGGCCCCCAAGCCAGACCATTTCATCCAGGATCCTGCAGTGCT
GAGGGAAAAGGCTGAAGCCAGGCGCATGGCCTTCCTCGCCAGGAAGGGGTATCGGCCTGAGAACTCCACG
GCAGTAACAGGCGGCCCCCGGGGCCATGGGCAAAGCCGGGAAACAACCCAGGAACGCAGGAAGAAAGAAG
CCAACAAGGCAGCCAGAGCCAACCACAACCGTAGAACCATGGCTGACCGAAAAAGAAGCAAAGGCATGAT
TCCATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

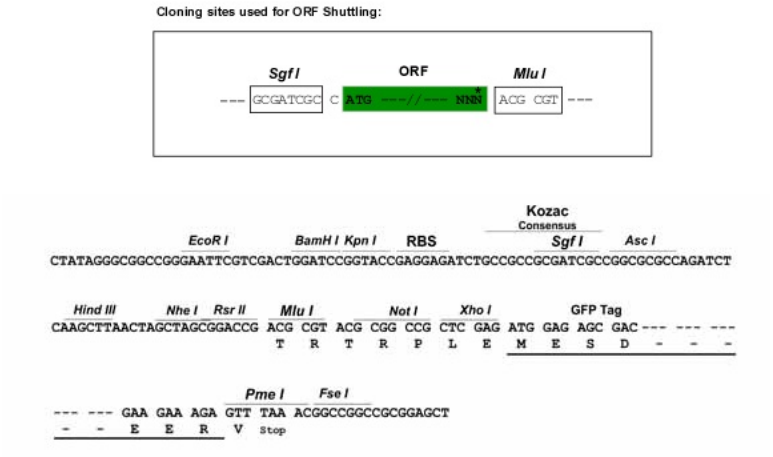
>MG210450 representing NM_029291
Red=Cloning site Green=Tags(s)

MPALPLDQLQITHKDPKTGQPKTSAALNPEQKADRYFVLYKPPPKDNIPALVEEYLERANFVANDLDWLL
ALPHDKFWCQVIFDETLQKCLDSYLHYVPRKFDEWVAPTPEVADMQNHLHRSVFLTFLRMSTHKESKDHF
ISPSAFGEILYNNFLFDIPKILDLCVLFGKGNSPLLQKMIGNIFTQQPSYYTDLDETIPTILQVFSNILQ
HCGLQGDGTSTTPQKLGERSPLTPSDMPLLELKDIVLYLCDTSTTLWAFLDIFPLACQTFQKHDFCYRLA
SFYEMAIPELESAIKKRRLEDSKLLGDMWQRLSHSKKKLMEVFHIILNQICLLPILESSCDNIQGFIEEF
LQIFSSLLQEKRFLRDYDTFSPVAEDISLLQQASSALDETRTAYILQAVESAWEGVDRQKIKDIKDPPRA
KGSNNEVTVTAEPVSEMPSQLENLEEDEECMGAAAALGPAVSGVELDSLISQVKDLLPDLGEGFILACLE
HYSYDSEQVINNILEDRLAPELSQLDRGLERQVKPDPTPLLSSRHNIFQNDEFDVFSRDSVDLSRVHKGR
RKEENVRSLVNDKQAVVAQWQRYQKYSVVVEEVPLQPGEYQADDYEDEYDDTYDGNQVGANDADSDDELI
SRRPFTIPQVLRTKMPGEVQEEEWDEEDEVEEEAPKPDHFIQDPAVLREKAEARRMAFLARKGYRPENST
AVTGGPRGHGQSRETTQERRKKEANKAARANHNRRTMADRKRSKGMIPS

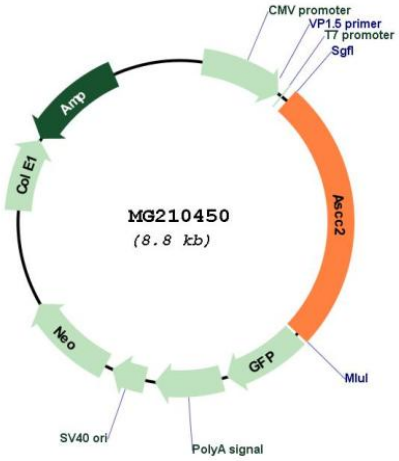
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_029291
ORF Size:	2247 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_029291.2
RefSeq Size:	2623 bp
RefSeq ORF:	2250 bp
Locus ID:	75452

UniProt ID:	Q91WR3
Cytogenetics:	11 A1
Gene Summary:	Plays a role in DNA damage repair as component of the ASCC complex. Recruits ASCC3 and ALKBH3 to sites of DNA damage by binding to polyubiquitinated proteins that have 'Lys-63'-linked polyubiquitin chains. Part of the ASC-1 complex that enhances NF-kappa-B, SRF and AP1 transactivation.[UniProtKB/Swiss-Prot Function]