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Product datasheet for RR204795

Ascc2 (NM_001109091) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ascc2 (NM_001109091) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ascc2
Synonyms:	RGD1561422
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RR204795 representing NM_001109091
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCAGCTCTGCCCCTGGACCAACTCCAGATCACCCACAAAGACCCGAAGACAGGCAAGCTGAGGACTT
CAGCAGCGCTGCACCCTGAGCAGAAGGCAGACCGGTATTTTGTGTTGTACAAACCACCCCCTAAAGACAA
CATTCCTGCCCTGGTGGAGGAGTACCTGGAGCGTGCCAACTTCGTAGCCAATGACCTCGACTGGCTCCTG
GCCTTGCCTCACGATAAATTCTGGTGCCAGGTCATCTTTGATGAGAGCCTGCAGAAGTGCCTGGACTCCT
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GCACCTGCACCGAAGTGTTTTCCTCACCTTCCTTCGAATGTCCACTCACAAGGAATCCAAAGACCACTTC
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CACTGTGGTTTGCAAGGGGATGGAATAAACACCATACCCCAGAAACTCGGGGAGAGGCCTCGGTTGACGC
CCAGTGACATGCCTCTCTTGGAATTAAAGGACATTGTTCTCTACCTGTGTGACACCTCCACCACACTCTG
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TCCTTTTATGAGATGGCGATTCCGGAAATAGAGTCTGCAATTAAGAAGAGGAGGCTTGAAGACAGCAAGC
TCCTGGGTGACATGTGGCAGAGGCTCTCCCATTCCAAGAAGAAGCTAATGGAGGTGTTTCACACCATCCT
GAACCAGATCTGCCTCCTTCCCATTCTAGAGAGCAGCTGTGACAACATTCAAGGCTTCATTGAAGAATTC
CTTCAAATCTTTAGCTCTTTGCTGCAGGAGAAGAGATTCCTCCGAGACTATGACTCATTCTTCCCTGTAG
CTGAAGACATCAGCTTGCTGCAGCAGGCTTCATCAGCATTGGATGAAACCCGGACTACCTACATCCTACA
GGCTGTGGAAGGTGCATGGGAAGGGGTGGACAGACAGAAAATCAAGGACATTAAAGACCCATCAAGAGCC
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CACTACAGCTATGATTCAGAGCGGGTTATCAACAACATCCTGGAGGATCGGCTGGCCCCTGAGCTCAGTC
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CTTCCAGAACGATGAGTTCGATGTGTTCAGCAGGGACTCAGTAGACCTGAGCCGAGTGCACAAGGGCAGG
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GTGATGAAGAGGATGAGGTTGAAGAGGAGGCCCCCAAGCCAGACCATTTCATTCAGGATCCTGCAGTGCT
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GCAGTGACAGGTGGACCCCGGGGCCATGGGCAAAGCCGAGAAACAACCCAGGAGCGCAGGAAGAAAGAGG
CCAACAAGGCAGCCAGAGCCAACCACAGCCGTAGAACCATGGCTGACCGAAAGAGAAACAAAGGCATGAT
CCCATCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

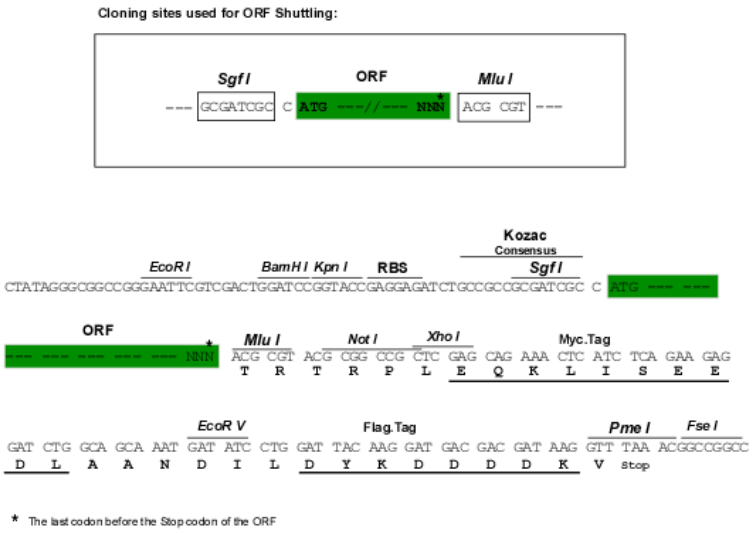
>RR204795 representing NM_001109091
Red=Cloning site Green=Tags(s)

MPALPLDQLQITHKDPKTGKLRTSAALHPEQKADRYFVLYKPPPKDNIPALVEEYLERANFVANDLDWLL
ALPHDKFWCQVIFDESLQKCLDSYLHYVPRKFDEWVAPTPEVADMQKHLHRSVFLTFLRMSTHKESKDHF
ISPSAFGEILYNNFLFDIPKILDLCVLFGKGNSPLLQKMIGNIFTQQPSYYNDLDETIPTILQVFSNILQ
HCGLQGDGINTIPQKLGERPRLTPSDMPLLELKDIVLYLCDTSTTLWAFLDIFPLACQTFQKHDFCYRLA
SFYEMAIPEIESAIKKRRLEDSKLLGDMWQRLSHSKKKLMEVFHTILNQICLLPILESSCDNIQGFIEEF
LQIFSSLLQEKRFLRDYDSFFPVAEDISLLQQASSALDETRTTYILQAVEGAWEGVDRQKIKDIKDPSRA
KDSNNGVTMTAEPVSEMPSQLENSEDDEECMGAAAAVGPAVSGVELDSLISQVKDLLPDLGEGFILACLE
HYSYDSERVINNILEDRLAPELSQLDRSLERQVKPDPTPLLSSRHNVFQNDEFDVFSRDSVDLSRVHKGR
RKEETVRSLVNDKQAVVAQWQRYQKYSVIVEEVPLQPGEYQADDYEDEYDDTYDGNQVGANDADSDDELI
SRRPFTIPQVLRTKMPVEGQEEECDEEDEVEEEAPKPDHFIQDPAVLREKAEARRIAFLARKGYRPENST
AVTGGPRGHGQSRETTQERRKKEANKAARANHSRRTMADRKRNKGMIPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001109091

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_001109091.1, NP_001102561.1

RefSeq Size: 2626 bp

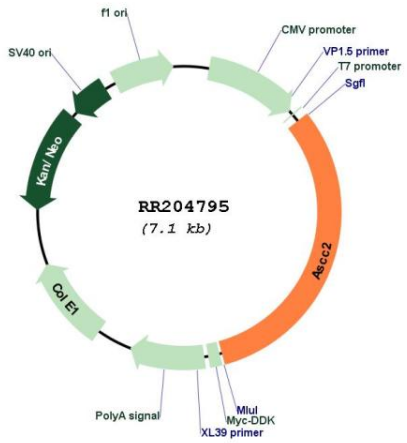
RefSeq ORF: 2250 bp

Locus ID: 498402

Cytogenetics: 14q21

MW: 85.8 kDa

Product images:



Circular map for RR204795