

Product datasheet for MR219721

Ascc3 (NM_198007) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ascc3 (NM_198007) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ascc3
Synonyms:	ASC1p200; B630009I04Rik; BC023451; D430001L07Rik; D630041L21; Helic1; RNAH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR219721 representing NM_198007 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >MR219721 representing NM_198007
 Red=Cloning site Green=Tags(s)

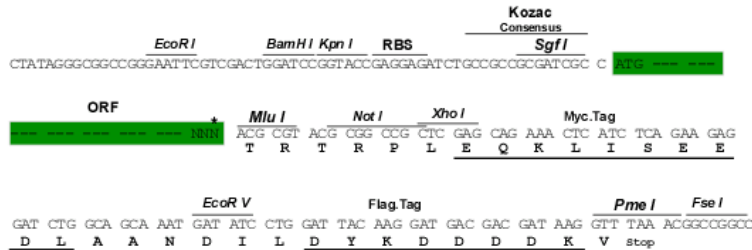
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 KAHL LQAHL SRAMLPCPDYDTDTKT VLDQALRVCQAML DVAASQGWLVTVLNI THLIQMV IQGRWLKDS
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 NHAVTPRFPKLKDEGWFLILGEVDKRELM AVKRVGFVRTHHDASISFFTPETPGRYIFTL YLMSDCYLGL
 DQQYDIYLVNIKANISTKDSDFV TDL SV

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_198007

ORF Size: 6594 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_198007.2](#), [NP_932124.2](#)
RefSeq Size: 7477 bp

RefSeq ORF: 6597 bp

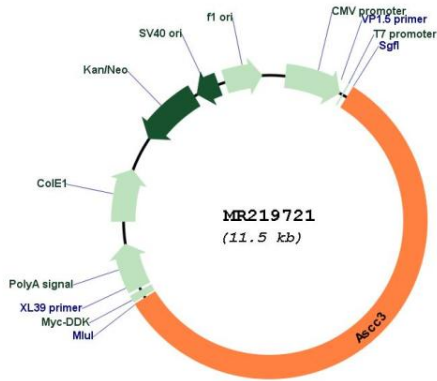
Locus ID: 77987

UniProt ID: [E9PZJ8](#)
Cytogenetics: 10 B3

MW: 250.6 kDa

Gene Summary: 3'-5' DNA helicase involved in repair of alkylated DNA. Promotes DNA unwinding to generate single-stranded substrate needed for ALKBH3, enabling ALKBH3 to process alkylated N3-methylcytosine (3mC) within double-stranded regions. Part of the ASC-1 complex that enhances NF-kappa-B, SRF and AP1 transactivation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219721