

Product datasheet for SC302419

AMMECR1 (NM_001025580) Human Untagged Clone

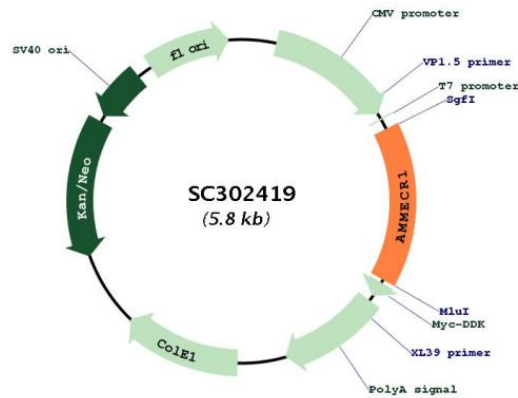
Product data:

Product Type:	Expression Plasmids
Product Name:	AMMECR1 (NM_001025580) Human Untagged Clone
Tag:	Tag Free
Symbol:	AMMECR1
Synonyms:	AMMERC1; MFHIEN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302419 representing NM_001025580. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGCGGGTGTGTCGGGGTGAAGAAGCAGAACTGTCCAGTTCGCCCCCTCTGGCTCGGGTGGC
GGTGGTGGCGCTCCTCCTCCTCCACTGCAGCGGAGAGAGCCAGTGCCGAGCTGGGAGCTGGGACTA
GGAGGCGCCGGTACGCGGCTCAACGGGCTGGGAGGTCTAACGGAGGAGGTAGCGGCAGCGGCTGTACC
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GTGGGACCTACTTTTACCCCGCCGCCACCTCTTCTCACCTCCTCATCGTCCGCCGCTCG
TCCTCATCGCCGGCTCCCGAAGATGGTGGTGTGTCAGCAGAGATGTGCTGCTTTTGTTCGATGTGCTC
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GATAGCCGTTTTCCCAATGACAAGGGATGAGCTGCCACGGCTTTTCTGCTCAGTGTCTGCTCACT
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AATGAAAAGGATCAAAACGCACCGCCACCTACCTACCGAGGTTGCAAAGGAGCAAGGATGGGACCAT
ATACAGACCATAGACTCCTTATTGAGGAAAGGAGGATACAAAGCTCCGATTACTAATGAATTCAGAAA
ACCATAAACTGACCAGGTATCGTAGTAAAAGATGACCCTGAGCTATGCTGAATACCTTGCTCATCGC
CAGCATCATCATTTCAAAATGGCATTGGGCATCCCCTCCGCCATACAACCATTTCCGTA
ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-MluI



Plasmid Map:


ACCN: NM_001025580

Insert Size: 891 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001025580.1](#)

RefSeq Size: 5320 bp

RefSeq ORF: 891 bp

Locus ID: 9949

UniProt ID: [Q9Y4X0](#)

Cytogenetics: Xq23

Protein Families: Druggable Genome

MW: 31.3 kDa

Gene Summary: The exact function of this gene is not known, however, submicroscopic deletion of the X chromosome including this gene, COL4A5, and FACL4 genes, result in a contiguous gene deletion syndrome, the AMME complex (Alport syndrome, mental retardation, midface hypoplasia, and elliptocytosis). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2010]
Transcript Variant: This variant (2) is missing an in-frame coding exon compared to variant 1, resulting in a shorter isoform (2) lacking an internal protein segment compared to isoform 1.