

## Product datasheet for **SC328327**

### AMMECR1 (NM\_001171689) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AMMECR1 (NM_001171689) Human Untagged Clone
Tag:	Tag Free
Symbol:	AMMECR1
Synonyms:	AMMERC1; MFHIEN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001171689, the custom clone sequence may differ by one or more nucleotides ATGGTGGTGT CAGCAGAGATGTGCTGCTTTTGCTTCGATGTGCTCTACTGTCACCTGTAT GGATACCAGCAGCCCGGACCCCGATTACCAACGAGCCCTACCCACTGTTTGTAAACA TGGAAGATTGGTCGAGACAAAAGATTACGTGGATGCATAGGTA CTTTTCTGCCATGAAT TTGCATTCAGGACTCAGGGAGTACACACTTACCAGTGCCTTAAAGATAGCCGTTTTCCC CCAATGACAAGGGATGAGCTGCCACGGCTTTTCTGCTCAGTGTCTCTGCTCACTAACTTT GAAGATGTCTGTGATTATTTGGACTGGGAGGTGGGTGTACATGGCATTAGAATAGAATTC ATCAATGAAAAAGGATCAAAACGCACCGCCACCTACCTACCGGAGTTGCAAAGGAGCAA GGATGGGACCATATACAGACCATAGACTCCTTATTGAGGAAAGGAGGATACAAAGCTCCG ATTACTAATGAATTCAGGAAAACCATAAACTGACCAGGTATCGTAGTAAAAGATGACC CTGAGCTATGCTGAATACCTTGCTCATCGCCAGCATCATATTTCCAAAATGGCATTGGG CATCCCCTCCGCCATACAACCATTATTCTCTGA
Restriction Sites:	Please inquire
ACCN:	NM_001171689
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.



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001171689.1, NP_001165160.1</u>
<b>RefSeq Size:</b>	5618 bp
<b>RefSeq ORF:</b>	633 bp
<b>Locus ID:</b>	9949
<b>UniProt ID:</b>	<u>Q9Y4X0</u>
<b>Cytogenetics:</b>	Xq23
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) differs at the 5' end compared to variant 1, resulting in translation initiation from an in-frame downstream AUG, and a shorter isoform (3) compared to isoform 1.</p>