

Product datasheet for **RG229689**

AMMECR1 (NM_001171689) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AMMECR1 (NM_001171689) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: AMMECR1
Synonyms: AMMERC1; MFHIEN
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG229689 representing NM_001171689
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGTGTGAGCAGAGATGTGCTGCTTTTGCTTCGATGTGCTCTACTGTCACCTGTATGGATACCAGC
AGCCCCGACCCCGATTACCAACGAGCCCTACCCACTGTTTGTAAACATGGAAGATTGGTCGAGACAA
AAGATTACGTGGATGCATAGGTACTTTTTCTGCCATGAATTTGCATTGAGGACTCAGGGAGTACACACTT
ACCAGTGCCTTAAAGATAGCCGTTTTCCCAATGACAAGGGATGAGCTGCCACGGCTTTTCTGCTCAG
TGCTCTGCTCACTAAGTGAAGATGTCTGTGATTATTTGGACTGGGAGGTGGGTGTACATGGCATTAG
AATAGAATTCATCAATGAAAAGGATCAAAACGCACCGCCACCTACCTACCGAGGTTGCAAGGAGCAA
GGATGGGACCATATACAGACCATAGACTCCTTATTGAGGAAAGGAGGATACAAAGCTCCGATTACTAATG
AATTCAGGAAAACCATAAAAGTACCAGGTATCGTAGTAAAAGATGACCCTGAGCTATGCTGAATACCT
TGCTCATCGCCAGCATCATTTCCAAAATGGCATTGGGCATCCCTTCCGCCATACAACCATTATTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG229689 representing NM_001171689
Red=Cloning site Green=Tags(s)

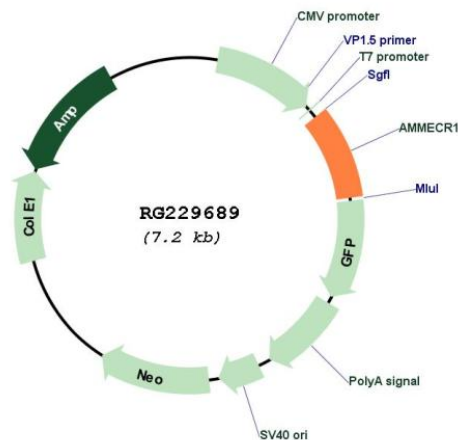
MVSAEMCCFCFDVLYCHLYGYQQPRTPRFTNEPYPLFVTKWIGRDKRLRGCIGTFSAMNLHSLGREYTL
TSALKDSRFPMPTRDELPRLFCSVSLLTNFEDVCDYLDWEVGVHGIREFINEKGSKRTATYLPVAKEQ
GWDHIQTIDSLLRKGGYKAPITNEFRKTIKLTRYRSEKMTLSYAEYLAHRQHHPFQNGIGHPLPPYNHYS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001171689

ORF Size: 630 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_001171689.2](#)

RefSeq Size: 5618 bp

RefSeq ORF: 633 bp

Locus ID: 9949

UniProt ID: [Q9Y4X0](#)

Cytogenetics: Xq23

Protein Families: Druggable Genome

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]