

Product datasheet for **SC119417**

AMFR (NM_001144) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AMFR (NM_001144) Human Untagged Clone
Tag:	Tag Free
Symbol:	AMFR
Synonyms:	GP78; RNF45
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC119417 sequence for NM_001144 edited (data generated by NextGen Sequencing)

```
ATGCCGCTGCTCTTCTCGAGCGCTTCCCCTGGCCCAGCCTCCGCACCTACACGGGCCTC
AGCGGCCTGGCCCTGCTGGGCACCATCATCAGCGCCTACCGCGCCTCAGCCAGCCCGAG
GCCGGCCCCGGCAGCCGGACCAGCTAACGGCCTCGCTGCAGCCTGAGCCGCCGGCGCCC
GCCCGCCGAGCGCCGGGGACCCGGGCCCGCATGTGGCCAGTACCTGCTCTCAGAC
AGCCTCTTCGTGTGGTTCTAGTAAATACCGCTTGTGTGTTTTGATGTTGGTGGCTAAG
CTCATCCAGTGTATTGTGTTGGCCCTCTTCGAGTGAGTGAGAGACAGCATCTCAAAGAC
AAATTTTGAATTTTATTTTCTACAAGTTCATTTTCATCTTTGGTGTGCTGAATGTCAG
ACAGTGAAGAGGTGGTCATGTGGTGCCTCTGGTTTGCCGACTTGTCTTTCTGCACCTG
ATGGTTCAGCTCTGCAAGGATCGATTTGAATATCTTTCCTTCTCGCCACCACGCCGATG
AGCAGCCACGGTCGAGTCTGTCCCTGTTGGTTGCCATGCTGCTTTCCTGCTGTGGACTG
GCGGCCGTCTGCTCCATACCGGCTACACCCACGGAATGCACACCTTGGCTTTCATGGCT
GCAGAGTCTCTTCTGTGACAGTGAGGACTGCTCATGTGATTTTACGATACGTAATTCAC
CTCTGGGACCTCAACCACGAAGGACGTGGGAAGGAAAGGGACGTATGTCTATTACACA
GACTTTGTGATGAGCTCACTCTCCTGTCCCTGGACCTCATGCACCATATTCACATGTTG
TTATTTGGCAACATCTGGTTATCCATGGCCAGCCTGGTCATCTTTATGCAGCTGCATTAC
CTGTTTTCATGAGGTGCAACGTGCAATTCGTGCGCACAAGAACTATCTACGTGTGGTTGGA
AACATGGAGGCCAGGTTTGCAGTTGCAACTCCAGAGGAGCTGGCTGTCAACAATGACGAC
TGTGCCATCTGTTGGGACTCCATGCAGGCTGCGCGGAAACTGCCCTGTGGACATCTTTTC
CACAACCTCTGCTTTCGTTCCCTGGCTAGAACAAGACACCTCCTGTCCAACATGCAGAATG
GAGAATTTGGTTCTGTAGCAGCAGCCGAAGGGAGACCTCGCTTAAACCAACAACATCAC
TTCTTCCATTTTCGATGGGTCTCGGATTGCGAGCTGGCTGCCGAGTTTTTTCGGTTGAAGTG
ATGCACACCACCAACATTCTTGGCATTACGCAGGCCAGCAACTCCAGCTCAATGCAATG
GCTCATCAGATTCAAGAGATGTTTCCCCAGGTTCCATACCATCTGGTACTGCAGGACCTC
CAGCTGACACGCTCAGTTGAAATAACAACAGACAATATTTTAGAAGGACGGATTCAAGTA
CCTTTTCTACACAGCGGTCAGATAGCATCAGACCTGCATTGAACAGTCTGTGGAAAGG
CCAAGCAGTGACCAGGAAGAGGGAGAACTTCTGCTCAGACCGAGCGTGTGCCACTGGAC
CTCAGTCTCTGCCTGGAGGAGACGCTGGACTTCGGCGAGGTGGAAGTGGAGCCCAGTGAG
GTGGAAGACTTCGAGGCTCGTGGGAGCCGCTTCTCCAAGTCTGCTGATGAGAGACAGCGC
ATGCTGGTGCAGCGTAAGGACGAACTCCTCCAGCAAGCTCGCAAACGTTTCTTGAACAAA
AGTTCTGAAGATGATGCGGCCTCAGAGAGCTTCTCCCTCGGAAGGTGCGTCTCTGAC
CCCGTGACCCTGCGTCAAGGATGCTGGCTGCCGCCGCGGAACGGAGGCTTCAGAAGCAG
CAGACCTCCTAG
```

Clone variation with respect to NM_001144.4

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001144 unedited GTGCAAATTTTGTAAACGACTCACTATAGGGGCGGCCGGAATTCGCACCAGCCGCCAT GCCGCTGCTCTTCCTCGAGCGCTTCCCCTGGCCAGCCTCCGCACCTACACGGGCCTCAG CGGCCTGGCCCTGCTGGGCACCATCATCAGCGCCTACCGCGCGCTCAGCCAGCCCGAGGC CGGCCCGGCGAGCCGGACCAGCTAACGGCCTCGCTGCAGCCTGAGCCGCCGGCCGCCCGC CCGGCCGAGCGCCGGGGACCCCGGGCCGCGATGTGGCCAGTACCTGCTCTCAGACAG CCTCTTCGTGTGGTTCAGTAAATACCGCTTGTGTGTTTGTGTTGGTGGCTAAGCT CATCCAGTGATTGTGTTTGGCCCTCTTCGAGTGAGTGAGAGACAGCATCTCAAAGACAA ATTTTGAATTTTATTTTCTACAAGTTCATTTTTCATCTTTGGTGTGCTGAATGTCCAGAC AGTGGAAGAGGTGGTCATGTGGTGCCTCTGGTTTGCCGGACTTGTCTTTCTGCACCTGAT GGTTCAGCTCTGCAAGGATCGATTTGAATATCTTTCTTCTCGCCACCACGCCGATGAG CAGCCACGGTCGAGTCTGTCCCTGTTGGTTGCCATGCTGCTTTCCTGCTGTGGACTGGC GGCCGTCTGCTCCATACCCGGCTACACCCACGGAATGCACACCTGGCTTTCATGGCTGC AGAGTCTCTTCTGTGACAGTGAGGACTGCTCATGTGATTNTACGATACGTAATTCACCT CTGGGACCTCAACCACGAAGGNACGTGGGAAGAAAGGGGACGTATGTCTATACACAGAC TTTGTCATGGAGCTCACTCTCCTGTCCCTGGGACTCATGCCCCATATTCATGGTTGTN ATTTGCCACATCTTGGTTATCCATGGCCAGN
Restriction Sites:	NotI-NotI
ACCN:	NM_001144
Insert Size:	3500 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.
	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
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:	<ol style="list-style-type: none"> 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_001144.3 , NP_001135.3
RefSeq Size:	3453 bp

RefSeq ORF:	1932 bp
Locus ID:	267
UniProt ID:	<u>Q9UKV5</u>
Cytogenetics:	16q13
Domains:	RING, CUE
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>This locus encodes a glycosylated transmembrane receptor. Its ligand, autocrine motility factor, is a tumor motility-stimulating protein secreted by tumor cells. The encoded receptor is also a member of the E3 ubiquitin ligase family of proteins. It catalyzes ubiquitination and endoplasmic reticulum-associated degradation of specific proteins. [provided by RefSeq, Feb 2012]</p> <p>Transcript Variant: This variant (1) is the longer transcript and encodes the longer isoform (a).</p>