

Product datasheet for **RC209639**

AMFR (NM_001144) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AMFR (NM_001144) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	AMFR
Synonyms:	GP78; RNF45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RC209639 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGCTGCTTCTCCTCGAGCGCTTCCCCTGGCCAGCCTCCGCACCTACACGGGCCTCAGCGGCCTGG
CCCTGCTGGGCACCATCATCAGCGCCTACCGCGCGCTCAGCCAGCCCAGGCCGGCCCCGGCGAGCCGGA
CCAGCTAACGGCCTCGCTGCAGCCTGAGCCGCCGGCGCCCGCCGGCCGAGCGCCGGGGACCCCGGCC
CGCGATGTGGCCAGTACCTGCTCTCAGACAGCCTCTTCGTGTGGTTCTAGTAAATACCGCTTGTGTG
TTTTGATGTTGGTGGCTAAGCTCATCCAGTGATTGTGTTTGGCCCTTTCGAGTGAGTGAGAGACAGCA
TCTCAAAGACAAATTTTGGAAATTTATTTTCTACAAGTTCATTTTCATCTTTGGTGTGCTGAATGCCAG
ACAGTGAAGAGGTGGTCATGTGGTGCCTCTGGTTTCCCGGACTGTCTTCTGCACCTGATGGTTCAGC
TCTGCAAGGATCGATTTGAATATCTTCCCTTCTCGCCACCACGCCGATGAGCAGCCACGGTCGAGTCT
GTCCTGTGGTTGCCATGCTGCTTTCCTGCTGTGGACTGGCGCCGTCTGCTCCATCACCGGCTACACC
CACGGAATGCACACCTTGGCTTTCATGGCTGCAGAGTCTTCTTGTGACAGTGAGGACTGCTCATGTGA
TTTTACGATACGTAATTCACCTCTGGGACCTCAACCACGAAGGGACGTGGGAAGGAAAGGGACGTATGT
CTATTACACAGACTTTGTGATGGAGCTCACTCTCCTGTCCCTGGACCTCATGCACCATATTCACATGTTG
TTATTTGGCAACATCTGGTTATCCATGGCCAGCCTGGTCATCTTATGCAGCTGCGTTACCTGTTTCATG
AGGTGCAACGTCGAATTCGTGCGCACAAGAACTATCTACGTGTGGTTGAAAACATGGAGGCCAGGTTTGC
AGTTGCAACTCCAGAGGAGCTGGCTGTCAACAATGACGACTGTGCCATCTGTTGGGACTCCATGCAGGCT
GCGCGGAAACTGCCCTGTGGACATCTTTCACAACCTCTGCTTTCGTTCCCTGGCTAGAACAAGACACCT
CCTGTCCAACATGCAGAATGTCTTAAATATTGCCGACAATAATCGTGTGAGGGAAGAACATCAAGGAGA
GAACTTGGATGAGAATTTGGTTCCCTGTAGCAGCAGCCGAAGGGAGACCTCGCTTAAACCAACACAATCAC
TTCTTCCATTTGATGGGTCTCGGATTGCGAGCTGGCTGCCGAGTTTTTTCGGTTGAAGTGATGCACACCA
CCAACATCTTGGCATTACGCAGGCCAGCAACTCCCAGCTCAATGCAATGGCTCATCAGATTCAAGAGAT
GTTTCCCAGGTTCCATACCATCTGGTACTGCAGGACCTCCAGCTGACACGCTCAGTTGAAATAACAACA
GACAATATTTAGAAGGACGGATTCAAGTACCTTTTCTACACAGCGGTGAGATAGCATCAGACCTGCAT
TGAACAGTCTGTGAAAGGCCAAGCAGTGACCAGGAAGAGGGAGAACTTCTGCTCAGACCAGCGTGT
GCCACTGGACCTCAGTCTCGCCTGGAGGAGACGCTGGACTTCGGCGAGGTGGAAGTGGAGCCCAGTGAG
GTGGAAGACTTCGAGGCTCGTGGGAGCCGCTTCTCCAAGTCTGCTGATGAGAGACAGCGCATGCTGGTGC
AGCGTAAGGACGAACTCCTCCAGCAAGCTCGCAAACGTTTCTTGAACAAAAGTTCTGAAGATGATGCGGC
CTCAGAGAGCTTCTCCCTCGGAAGGTGCGTCTCTGACCCCGTGACCCTGCGTGAAGGATGCTGGCT
GCCCGCGGAACGGAGGCTTCAGAAGCAGCAGACCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC209639 protein sequence
 Red=Cloning site Green=Tags(s)

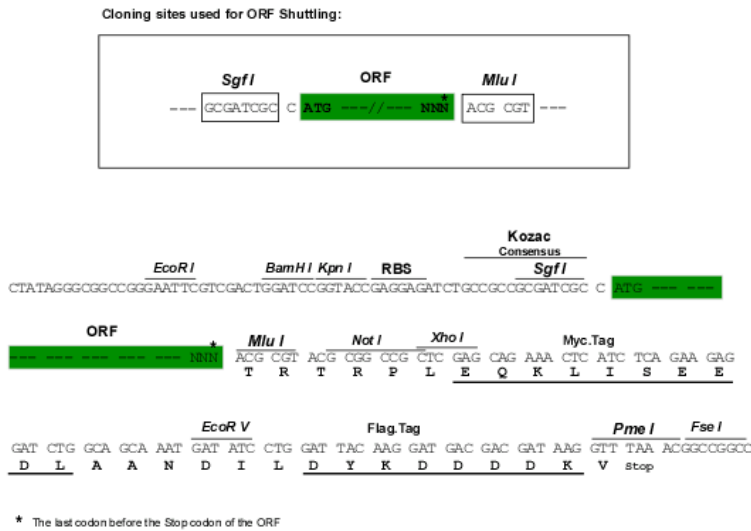
MPLLFLERFPWPSLRTYTGLSGLALLGTIIISAYRALSQPEAGPGEPDQLTASLQPEPPAPARPSAGGPRA
 RDVAQYLLSDSLFVWVLTACCVLMLVAKLIQCIVFGPLRVSERQHLKDKFWNFIFYKFIIFGVLNVQ
 TVEEVVMWCLWFAGLVFLHLMVQLCKDRFEYLSFSPTTPMSSHGRVLSLLVAMLLSCCGLAAVCSITGYT
 HGMHTLAFMAAESLLVTVRTAHVILRYVIHLWDLNHEGTWEGKTYVYVYDFVMELTLLSLDLMHIIHML
 LFGNIWLSMASLVIFMQLRYLFHEVQRRIRRHKNYLRVVGNMPEARF AVATPEELAVNNDCAICWDSMQA
 ARKLP CGHLFHNSCLRSWLEQDTSCPTCRMSLNIADNNRVREEHQGENLDENLVVAAAEGRPRLNQHNH
 FFHFDGSRIASWLPFSVEVMHTNILGITQASNSQLNAMAHQIQEMFPQVPYHLVLQDLQLTRSVEITT
 DNILEGRIQVFPPTQRSDSIRPALNSPVERPSSDQEEGETSAQTERVPLDLSPRLEETLDFGEVEVEPSE
 VEDFEARGSRFSKADERQ RMLVQRKDELLQ QARKRFLNKSSEDDAASESFLPSEGASSDPVTLRRRMLA
 AAAERRLQKQQT S

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6776_f05.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_001144

ORF Size: 1929 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](#)

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_001144.6](#)

RefSeq Size: 3631 bp

RefSeq ORF: 1932 bp

Locus ID: 267

UniProt ID: [Q9UKV5](#)

Cytogenetics: 16q13

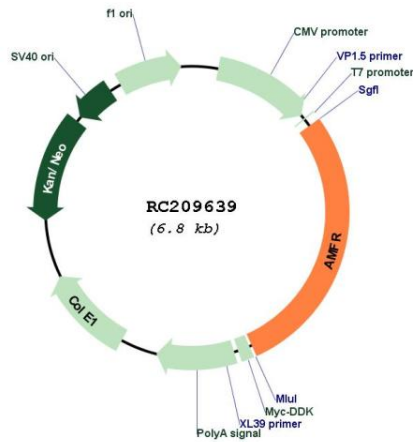
Domains: RING, CUE

Protein Families: Druggable Genome, Transmembrane

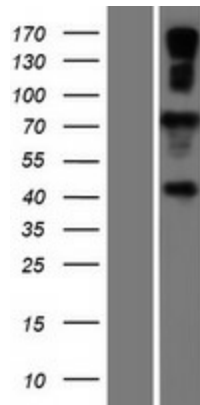
MW: 73 kDa

Gene Summary: 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]

Product images:



Circular map for RC209639



Western blot validation of overexpression lysate (Cat# [LY420107]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209639 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).