

Product datasheet for RC226880

LOC283999 (NM_001145529) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	LOC283999
Synonyms:	ARGM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC226880 representing NM_001145529
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGTCTGGTTGGTCTCAGGACTGATACAGACCAGGACCCAGGGCCAGCCGTGCCAGGCTCCTAT
GCTTCCAGGAGCACGGGTGGGTGCTGCTGCCTGGCCGGCCATCCTCCTGGGGTCTGCTGCGCGA
TCCTCCCTCCTCCTCAAGCCCTGCACAGCCGGCCAGGCAGGTGCATCTTGTGGTCTGCTGAGGAGC
CGGGGTTTCAGGAAATTAAGGAACGTGCCAGGACCCGGGGCCAGCCGTGGGGACGCTGGGATTGA
GCCCCAAGCCCCAGGTTTCGCGCGCGGCTCTCGACTTCTCTCTTTCCCCCAGGGGCGAGCTCAGCGACC
GCAGAGAGGTGGGGTGCATCTCCCTGCGACCCAGGGGGCCGCGAGGCCAGTGCAGCGGCGAGGAGCGGG
GACGTGCTCAGAAGAGCCGGGCGCCGCGCCGCGCCCGCCCGCCCGCCCGCTCCCGGCTCCCGGCTCCGCGCG
CCCCCGCGCCCGGGGCTGCTACCCCGACCCGTCCCTCCCGCGGCGCCCGCCATGGCCCGGC
TGGGCGCGCTGCTCCTGGCCGCGCCCTGGGTGCACTGCTCAGCTTCGCGCTCCTGGCCGCGCGGTGCG
CAGCGACTACTGGTACATCCTGGAGGTGGCGGACGCCGGAATGGCAGCGCCTGGCCGGGCGCGCAGAG
CTGCTCTCTCGCACTCGGGGCTCTGGCGCATCTGCGAAGGTGTCTGACACTGGCGGGGTGTCAGCATCT
ACATCAGCTACTCGACCTGGCCTTTGCGGAGACGGTGACAGTATGGCCCGCAGCATGCAGGGCGT
CCGCGTCAGCTTCGGCTGGTCCATGGCCCTGGCTGGGGCTCCTGTGCTTGGAGGCATTCAGCGGAACC
CTCCTGCTCTCAGCTGCCTGAGCCCTCAGCCTGAGCCCCCAATCTGTGGTCTCTGAGTCCCCAGCAGG
TGGGAGGGAGAGGGGAGACTGAGGCCAGAGCGGCAGAGGGACCCAGATCGCTGGCGCCAGAGA
GATGCCGTCTCAGGCCAAGGCTCCTGGCTCTGTTCTGTCCACTCTCCCGAAGGGCAGGCTTGGTGG
AGAAGAGGCTGATGAGAGGGCCGAGAGCCCTCCGATTTGCAAGGGTGGGGGCAAGGAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC226880 representing NM_001145529

Red=Cloning site Green=Tags(s)

MPSGWSSGLIQTRTPGPARARLLCFQEHGWVLLPGRPSSWGRSLADPPSSSQALHSPARQVHLVWLLRS
RGFREIKERAQGGASPWGRWDWSPSPRFAARLSTSSPFPQGRAQRPQRGGVDLPATPGGPRGQCAGRS
DVLRRAGRRRARPPVPRLPAPRAPRRPRGPATPDPSPAGRPHGPAGRAAPGRRPGCTAQLRAPGRRGR
QRLLVHPGGGRRQWQRLARARRAALLALGALHLRRCPTDGGQHLHQLLAPGLCGDGAAVWPAAHAGR
PRQLRLVHGPGLGLLCLGGIQRNPPALSCLDPQPEPPNLWSSESPAGGRERGLRPRAAEGPTQIAWRQR
DAVSGQGLPGLCSVHSPRRAGLVEKRLMRGPESPSDLQGWGARS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

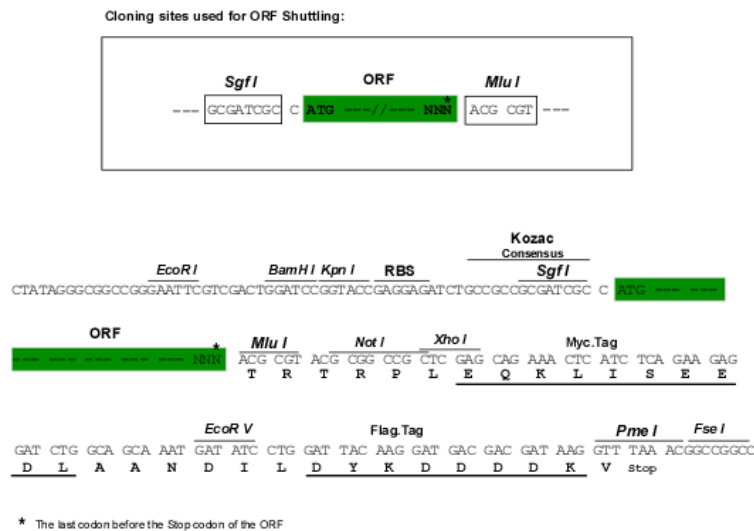
Chromatograms:

https://cdn.origene.com/chromatograms/mk8006_g09.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001145529

ORF Size:

1182 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001145529.1](#), [NP_001139001.1](#)

RefSeq ORF: 1184 bp

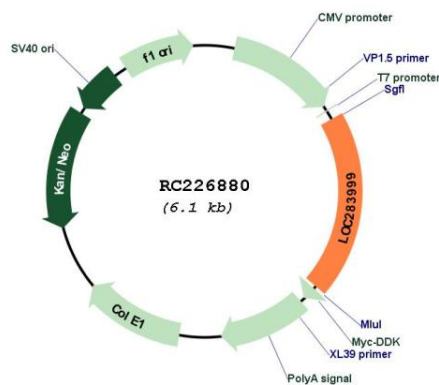
Locus ID: 283999

Cytogenetics: 17q25.3

Protein Families: Transmembrane

MW: 42 kDa

Product images:



Circular map for RC226880