

Product datasheet for **RC225923**

FAM189A1 (NM_015307) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	FAM189A1
Synonyms:	TMEM228
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC225923 representing NM_015307
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCTCCGGCCGGCGGCCCGAGCGCCGCTCCGCGCGCTGCCCGCAGCCTGTCCGCGCTGCGCG
 AGTGCCCGGGCCGCTCCCGCATCGTGCTGGCGCTCGGGGCCACGCAGATGGCGCTCGGATGCCTCATCGT
 GGCAGTCAGCTTCGCCCGCTGGCGCTCACCACCTCGGCCCGCTCCGCCACTCTGCCCTTCTGGGCA
 GGCTTCTCGGTGCTGTGTGGGACTCATAGGTGTCTCTCTGGAAGAGGCCTCTCTCCCTTGTGATAA
 CCTTTTTCATGCTGCTTCTGCAGTGTGTGAATGTGAATTTGGTGGTCAATTCTCTTGTGAGAA
 TGCTCAGCTAGTCAACTCCCTAGAAGGCTGCCAGTTGATTAAGTTTGACAGTGTGGAGGTGTGTCTGC
 TGTGAGCTGCAGCACCAGTCGTCGGCTGCAGCAACCTCGGGGAGACGCTGAAGCTGAACCGCTGCAGG
 AGAACTGCAACGCTGTGAGGCTGACCTTGAAGGATCTCTCTTACGCGTGTGTGCCCTCAACGCTCTGTC
 CACTATCGTGTGTGCGCTGGCCACAGCCATGTGCTGTATGCAGATGGTCTCTCCGATGTCTGCAGATG
 TTCTTCCGAGAGGTACATCTGCCAACCCACCTCGCTGACTCTCACGGCACCCTTCTCCACCAGA
 CCCTGGATTTGACGAGTTTATCCCCCACTCCCGCCTCCACCCTATTACCCCCAGAGTACACCTGCAC
 ACCGTCCACTGAGGCCAGAGGGGCTCCACCTGGACTTTGCTCCGTCTCCATTCGGCACTTTGTATGAC
 GTGGCCATCAATAGCCCGGCTGCTCTATCTGCTGAGCTCCCCCTCCGACGAGGCGGTGGTGGCC
 AGCCCCCTGCCAGCCAGGTTACAAGTATAGGTACAGAGGTGGCCGAGTCCAGCTCCGGGGACCCAAACAC
 CAGTGTGGCTTACGACTCCAGTACCAGCTGACAGCACAAGCCTCTGGTGTCCGAGGGCACTGCTACG
 CCAGGTTCCAGCCATCCCCGATGGCCTGTGGGCGCCCGAGCACCTCCGAACCTGCCCTTCCCCCTG
 GCCATGTGTCTCCAGAGGATCTGGCATGGGCTCACAGGTGCAGCCAGGTCCCGGCGTGTGTCCGCTC
 CACCAGCGACCCACCTTGTGCACATCTAGCATGGCAGGCGATGCCTCTTACACAGGCGCTCGTGTAGC
 CAGGACCTGGAAGCGGGACTGTCTGAGGCTGTGCCTGGGAGCGCTTCCATGTCTCGCTCTGCCACGGCTG
 CCTGTGCGGGCCAGCTTTCACAGCGGGGGACCCAGATACCTGGAAGTACCAACGGCCAAACACCAGA
 GCCCTTCCAGCGACCTCCAAGAGCGGCCACGCTCTTATGAGGACAGCAAGGCCTATGCGGATGCCAGG
 GTTTTGGTGCCAAAGTTTGGAACTACACTGTGCCTCCCCACCGAGGCACAGCACATGGTGGGTG
 CCATGCGCTTGGTGTACCAACGAGGAGCGCTCGAGGAGGAGGCGCTTTCGGCGCTGACGTTCTGGA
 CCAGGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225923 representing NM_015307
 Red=Cloning site Green=Tags(s)

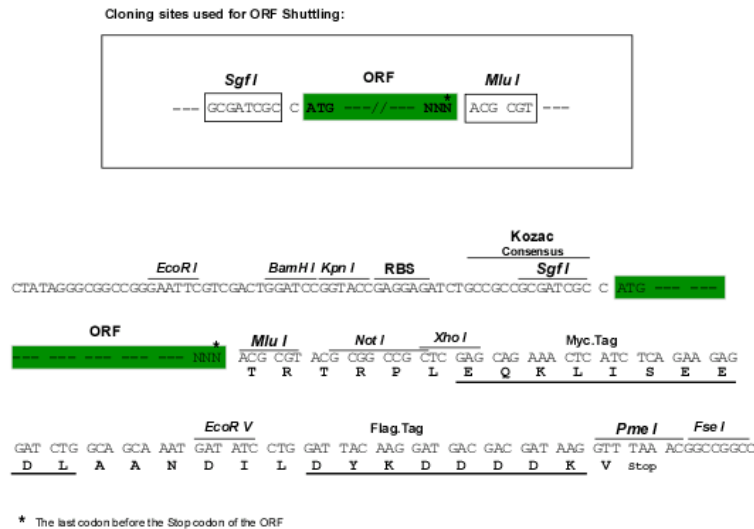
MPPAGGPRAPRPAALPRSLSRLRECPGRSRIVLALGATQMALGCLIVAVSFAALALTTSARVRHSCPFWA
 GFSVLLSGLIGVSWKRPLSLVITFFMLLSAVCVMLNLAGSILSCQNAQLVNSLEGCQLIKFDSVEVCVC
 CELQHQSNGCSNLGETLKLNLQENCNAVRLTLKDLFSVCALNVLSTIVCALATAMCCMQMVSSDVLQM
 FLPQRSHPANPTCVTPHGTVLHQTLDLDEFIPPLPPPPYYPPEYCTPSTEAQRGLHLDFAFSPFGTLYD
 VAINSPGLLYPAELPPPYEAVVGQPPASQVTSIGQQAESSSGDPNTSAGFSTPVPADSTSLLVSEGTAT
 PGSSPSDPGVPVAPAPSEPALPPGHVSPEDPGMGSVQVPGPGRVSRSTSDPTLCTSSMAGDASSHRPSCS
 QDLEAGLSEAVPGSASMSRSATAACRAQLSPAGDPDTWKTDQRPTPEFPATSKERPRSLVDSKAYADAR
 VLVAKFLEHSHCALPTEAQHVMGAMRLAVTNEERLEEEAVFGADVLDQV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8009_c06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015307

ORF Size: 1617 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:

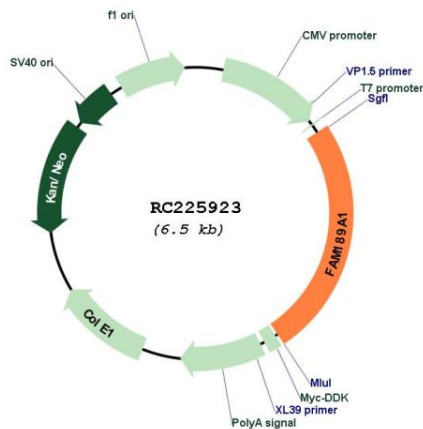
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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.

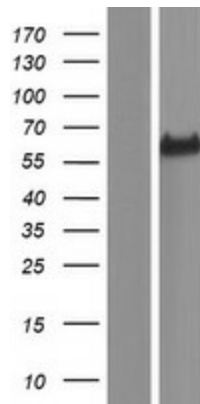
RefSeq: [NM_015307.1](#), [NP_056122.1](#)

RefSeq ORF:	1620 bp
Locus ID:	23359
UniProt ID:	O60320
Cytogenetics:	15q13.1
Protein Families:	Transmembrane
MW:	56.4 kDa

Product images:



Circular map for RC225923



Western blot validation of overexpression lysate (Cat# [LY429457]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225923 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).