

Product datasheet for **RC208190**

FAM78A (NM_033387) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM78A (NM_033387) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAM78A
Synonyms:	C9orf59
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208190 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGGCTGTATTCAGAGCATCGGAGGCAAAGCCAGAGTCTTCGGGAAGGGATCACGGTGATTGATGTGA
AAGCCTCCATCGACCCCGTCCCCACTAGCATCGATGAGTCCTCCAGCGTGGTGCTCCGCTACCGGACACC
CCACTTCGGGCCTCGGCCAGGTGGTCATGCCGCCATCCCCAAGAAGGAGACTTGGTAGTTGGCTGG
ATCCAGGCGTGCAGCCACATGGAGTTCTACAACCAGTACGGCGAGCAGGGCATGTCCAGCTGGGAGCTCC
CCGACCTCCAGGAGGGCAAGATCCAAGCCATCAGCGACTCGGACGGGGTGAACCTACCCCTGGTACGGCAA
CACCACAGAGACCTGCACCATCGTGGGCCCCACCAAGAGGGACTCCAAGTTCATCATCAGCATGAATGAC
AACTTCTACCCAGCGTCAATGGGCCGTGCCCGTCAGCGAGAGCAACGTGGCCAAGCTCACCACATCT
ACCGGGACCAGAGCTTCACCACCTGGCTGGTGGCCACCAACACCTCCACCAACGACATGATCATCTGCA
GACGCTGCACTGGCGCATGCAGCTCAGCATCGAGGTGAACCCCAACGGCCCTGGGCCAGCGCGCCCGG
CTGCGGGAGCCCATCGCCAGGACCAGCCAAAATCCTGAGCAAGAATGAGCCCATCCGCCCAGCGCCC
TGGTCAAGCCCAATGCCAACGATGCCAGGTCTCATGTGGCGGCCCAAGTACGGGCAGCCGCTGGTGGT
GATCCCGCCCAAGCACCGG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC208190 protein sequence
 Red=Cloning site Green=Tags(s)

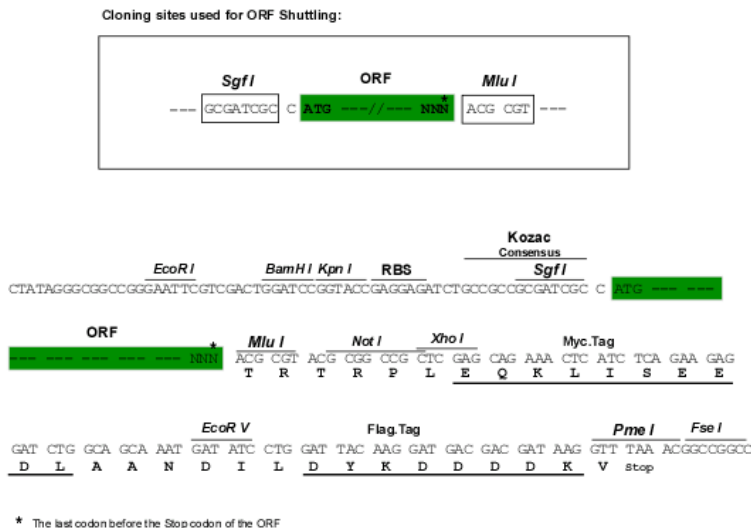
MGCIQSIGGKARVVFREGITVIDVKASIDPVPTSIDESSVVLRYRTPHFRASQVVMPPIPKKETWVVGW
 IQACSHMEFYNQYGEQGMSSWELPDLQEGKIQAISSDSGVNYPWYQNTTETCTIVGPTKRDSKFIISMND
 NFYPSVTWAVPVSESNVAKLTNIYRDQSFTTWLVATNTSTNDMIILQTLHWRMQLSIEVNPNRPLGQRAR
 LREPIAODOPKILSKNEPIPPSALYKPNANDAQVLMWRPKYGOPLVVIIPPKHR

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6528_f06.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM 033387

ORF Size: 789 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_033387.2](#), [NP_203745.1](#)

RefSeq Size: 3957 bp

RefSeq ORF: 852 bp

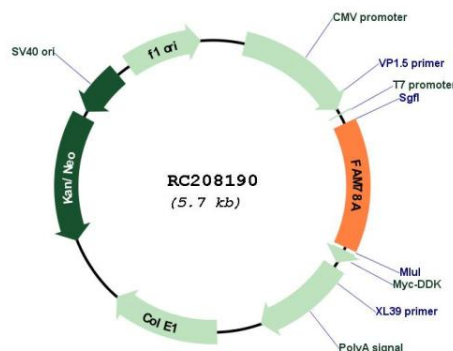
Locus ID: 286336

UniProt ID: [Q5JUQ0](#)

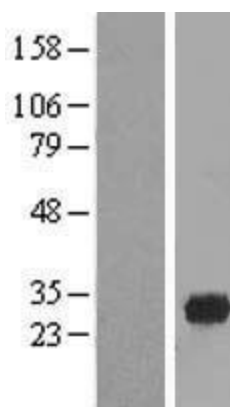
Cytogenetics: 9q34.13

MW: 29.7 kDa

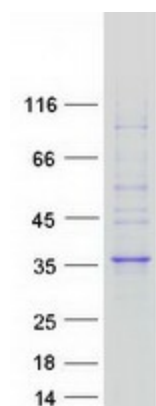
Product images:



Circular map for RC208190



Western blot validation of overexpression lysate (Cat# [LY409570]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208190 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FAM78A protein (Cat# [TP308190]). The protein was produced from HEK293T cells transfected with FAM78A cDNA clone (Cat# RC208190) using MegaTran 2.0 (Cat# [TT210002]).