

Product datasheet for **RC211044**

FAM78B (NM_001017961) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM78B (NM_001017961) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAM78B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211044 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCTGTATCCAAAGCATCACCTGCAAGGCGCGGATCCGGCGCGAGAACATCGTGGTGTACGATGTGT
GCGCCACCATCGACCACTGCCCCACGCGCATCGAGGAGACCTCGCCCATCGTCCTGCGCTACAAGACCCC
CTACTTCAAAGCCTCCGCCCGCTGGTCATGCCCCCATCCCCGCCACGAGACCTGGGTGGTGGGCTGG
ATTCAGGCGTGCAATCAGATGGAGTTCTTCAACACCTACAGCGACCTGGGCATGTCAAGCTGGGAAGTGC
CTGACTTGAGGGAAGGGAGAGTAAAAGCCATCAGTGACTCAGATGGGGTGAGCTACCCCTGGTACGGGAA
CACCACAGAACTGTCAACCTGGTTGGCCCCACCAACAAGATCTCCAGGTTCTCCGTCAGCATGAATGAC
AACTTCTACCCCACTGTGACATGGGCAGTGCCTGTGAGTGACAGCAATGTGCCACTGCTCACAAGAATCA
AGAGAGACCAAGTTTCACGACCTGGCTGGTGGCCATGAACACCACCACAAAGGAGAAGATCATTCTGCA
GACCATCAAGTGGAGGATGAGGGTGGACATTGAAGTGGACCTCTTCAGCTCTTGGGGCAGCGGGCCCGG
CTGGTGGGCAGGACTCAGCAGGAGCAGCCCGGATCCTGAGCCGGATGGAACCCATCCCCCTAATGCAC
TAGTGAAACCAATGCCAATGATGCCAGGTCCTCATGTGGAGGCCCAAGCGGGGCCACCTCTGGTTGT
GATCCCTCCTAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC211044 protein sequence
 Red=Cloning site Green=Tags(s)

MGCIQSITCKARIRRENIVVYDVCATIDQCPTRIEETSPIVLRYKTPYFKASARVVMPPIPRHETWVVGW
 IQACNQMEFFNTYSDLGMSSWELPDLREGRVKAISDSGVSYPWYGNTTETVTLVGPTNKISRFVSVMND
 NFYPSVTWAVPVSDSNVPLLTRIKRDQSFTTWLVAMNTTTKEKILQTIKWRMRVDIEVDPLQLLGQRAR
 LVGRTQQEQPRILSRMEPIPPNALVKPNANDAQVLMWRPKRGPPLVVIPPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6378_f02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001017961

ORF Size: 783 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_001017961.2](#), [NP_001017961.1](#)

RefSeq Size: 1481 bp

RefSeq ORF: 786 bp

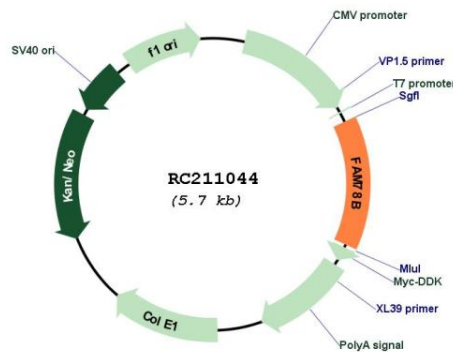
Locus ID: 149297

UniProt ID: [Q5VT40](#)

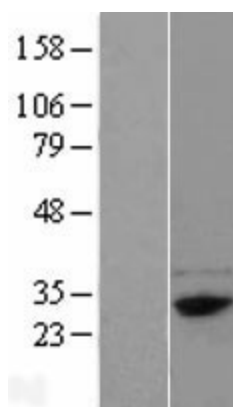
Cytogenetics: 1q24.1

MW: 29.8 kDa

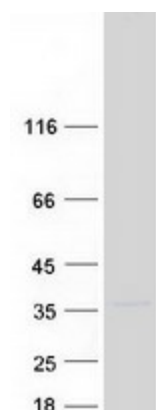
Product images:



Circular map for RC211044



Western blot validation of overexpression lysate (Cat# [LY422764]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211044 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FAM78B protein (Cat# [TP311044]). The protein was produced from HEK293T cells transfected with FAM78B cDNA clone (Cat# RC211044) using MegaTran 2.0 (Cat# [TT210002]).