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Product datasheet for RC209938

FAM176B (EVA1B) (NM_018166) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM176B (EVA1B) (NM_018166) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAM176B
Synonyms:	C1orf78; FAM176B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

```
>RC209938 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATGCCCCGCGAAGGGACATGGAGTTGCTCAGCAACAGCCTGGCTGCCTACGCGCACATCCGCGCCA
ACCCCGAGAGCTTCGGCCTCTACTTCGTGCTGGGCGTCTGCTTCGGCCTGCTGCTCACCCTCTGCCTGCT
CGTCATCAGCATCTCGTGGGCGCCCCGCCCGCGGCCCCGGGGCCCGGCTCAGCGCCGGGACCCCCGCAGC
AGCACCCTGGAGCCCGAGGACGACGACGAGGACGAGGAGGACACGGTGACTCGGCTGGGCCCCGACGACA
CGCTGCCGGGCCCCGAGCTGTCCGCAGAGCCGGACGGGCCCCTCAACGTCAACGTCTTCACGTCGGCGGA
GGAGCTGGAGCGGGCGCAGCGGCTGGAGGAGCGCGAACGGATCCTGCGGGAGATCTGGCGCACCGGGCAG
CCGGACCTGCTGGGCACAGGCACGCTGGGGCCCAGCCCCACGGCCACGGGCACCCTGGGCCGCATGCACT
ATTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

Protein Sequence:

```
>RC209938 protein sequence
Red=Cloning site Green=Tags(s)

MDAPRRDMELLSNSLAAYAHIRANPESFGLYFVLGVCFGLLLTLCLLVISISWAPRPRPRGPAQRRDPRS
STLEPEDDDEDEEDTVTRLGPDDTLPGPELSAEPDGPLNVNVFTSAEELERAQRLEERERILREIWRTGQ
PDLLGTGTLGPSPTATGTLGRMHYY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

Chromatograms: https://cdn.origene.com/chromatograms/mk6363_h05.zip

View online »

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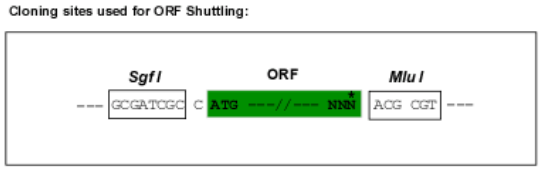
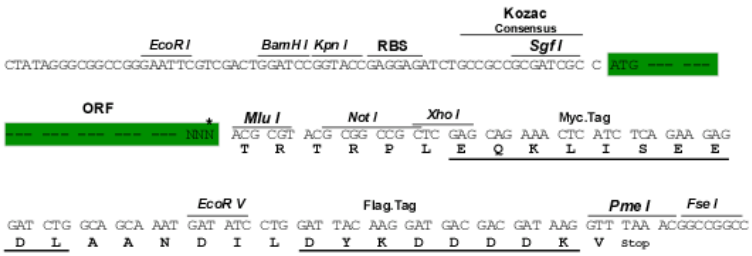
Restriction Sites: SgfI-MluI

Cloning Scheme:





* The last codon before the Stop codon of the ORF

ACCN: NM_018166

ORF Size: 495 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_018166.2

RefSeq Size: 1054 bp

RefSeq ORF: 498 bp

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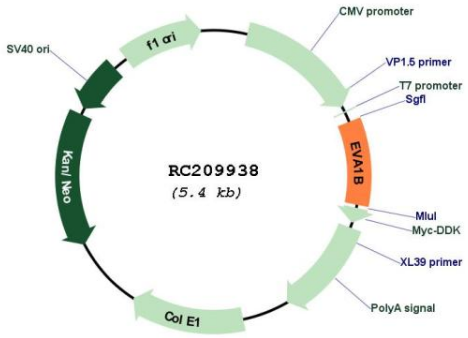
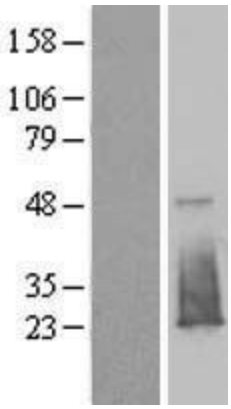
Locus ID:	55194
UniProt ID:	Q9NVM1
Cytogenetics:	1p34.3
Protein Families:	Transmembrane
MW:	18.4 kDa

Product images:



Circular map for RC209938



Western blot validation of overexpression lysate (Cat# [LY413263]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209938 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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