Product datasheet for RC209345

WFDC11 (NM_147197) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WFDC11 (NM_147197) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	WFDC11
Synonyms:	WAP11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC209345 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGTCAGCCTCATGAAGCTCTGGATACCCATGCTCATGACATTCTTCTGTACGGTGCTACTGTCTGTGC TGGGAGAAATGAGGAAGAAAAGATATGACAGGAAGGAATTGTTACTTGAAGAATGCTGGGGAAAGCCAAA TGTCAAAGAATGTACCAATAAGTGTTCTAAAGCCTTTAGATGTAAAGACAAAAATTACACATGCTGCTGG ACCTATTGTGGAAACATCTGCTGGATAAACGTCGAAACCAGTGGAGATTAC ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC209345 protein sequence Red=Cloning site Green=Tags(s) MVSLMKLWIPMLMTFFCTVLLSVLGEMRKKRYDRKELLLEECWGKPNVKECTNKCSKAFRCKDKNYTCCW TYCGNICWINVETSGDY TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk6548_c10.zip
Restriction Sites:	SgfI-MluI

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Cloning Scheme:

Cloning sites used for ORF Shuttling:

* The last codon before the Stop codon of the ORF

ACCN:	NM_147197
ORF Size:	261 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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).

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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.
RefSeq:	NM_147197.2, NP_671730.1
RefSeq Size:	615 bp
RefSeq ORF:	264 bp
Locus ID:	259239
UniProt ID:	Q8NEX6
Cytogenetics:	20q13.12
Protein Families:	Secreted Protein, Transmembrane
MW:	10.3 kDa
Gene Summary:	This gene encodes a member of the WAP-type four-disulfide core (WFDC) domain family. The WFDC domain, or WAP signature motif, contains eight cysteines forming four disulfide bonds at the core of the protein, and functions as a protease inhibitor. Most WFDC gene members are localized to chromosome 20q12-q13 in two clusters: centromeric and telomeric. This gene belongs to the telomeric cluster. [provided by RefSeq, Jul 2008]

Product images:
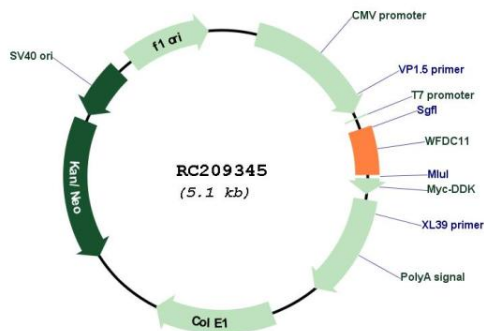
Circular map for RC209345
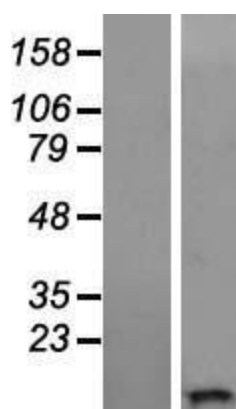
Western blot validation of overexpression lysate (Cat# [LY407789]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209345 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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