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Product datasheet for RC212400

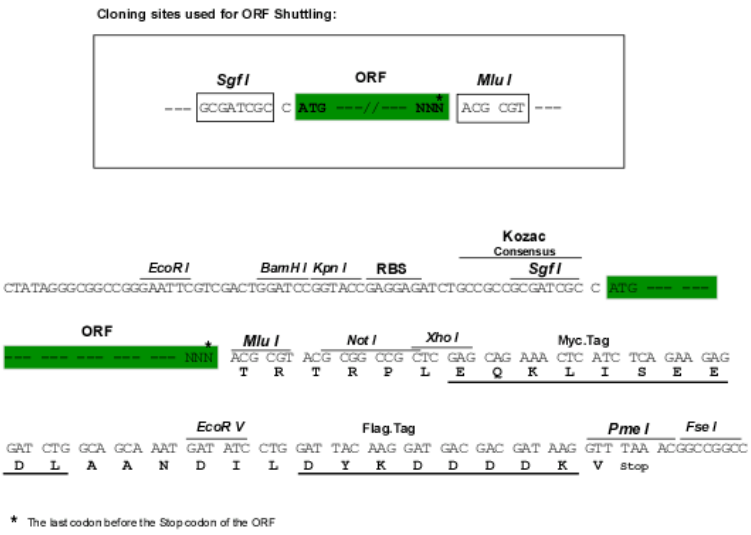
WFDC10A (NM_080753) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WFDC10A (NM_080753) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	WFDC10A
Synonyms:	C20orf146; dJ688G8.3; WAP10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212400 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCACCCCAGACTCTGCTGCCTGTCCTGGTTCTCTGTGTGCTGCTGCTGCAGGCCCAGGGAGGATACC GTGACAAGAAGAGGATGCAGAAAACACAGCTATCCCCAGAAATCAAAGTCTGCCAGCAGCAGCCTAAACT ATATCTATGCAAACACTTATGTGAATCTCACCGAGATTGTCAAGCAAATAACATATGCTGTTCTACCTAC TGTGGGAATGTTTGCATGAGCATCCTG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC212400 protein sequence Red=Cloning site Green=Tags(s) MAPQTLLPVLVLCVLLLQAQGGYRDKKRMQKTQLSPEIKVCQQQPKLYLCKHLCESHRDCQANNICCSTY CGNVCMSIL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk6440_h12.zip
Restriction Sites:	SgfI-MluI

View online »

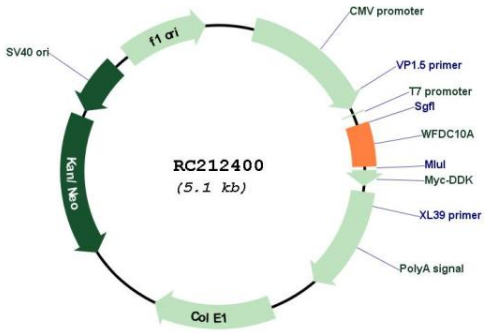
Cloning Scheme:



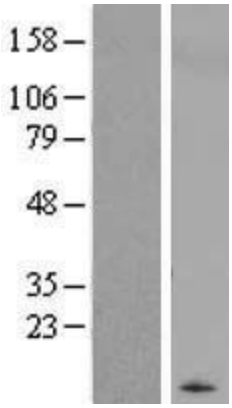
ACCN:	NM_080753
ORF Size:	237 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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.
RefSeq:	NM_080753.3
RefSeq Size:	482 bp
RefSeq ORF:	240 bp
Locus ID:	140832

UniProt ID:	Q9H1F0
Cytogenetics:	20q13.12
Protein Families:	Secreted Protein, Transmembrane
MW:	8.9 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]

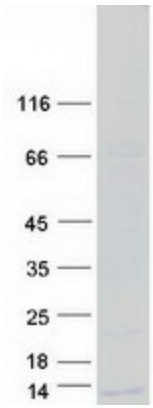
Product images:



Circular map for RC212400



Western blot validation of overexpression lysate (Cat# [LY409069]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212400 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified WFDC10A protein (Cat# [TP312400]). The protein was produced from HEK293T cells transfected with WFDC10A cDNA clone (Cat# RC212400) using MegaTran 2.0 (Cat# [TT210002]).