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Product datasheet for MR226133

Wdr19 (NM_153391) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr19 (NM_153391) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wdr19
Synonyms:	C330027H04Rik; D330023L08Rik; DYF2; Ift144; mKIAA1638; PWDMP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR226133 representing NM_153391
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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GGAACTGATACTGGCATCATTCACTATTTCTTCATCGAAGACTGGCAGTTCGTTAATGATTACCGGCATC
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Protein Sequence:

>MR226133 representing NM_153391
Red=Cloning site Green=Tags(s)

MKRVFSLLEKSWLGAPIQFAWQKSSGNYLAVTGADYIVKIFDRHGQKRSEISLPGNCVTMDWDKDGDILA
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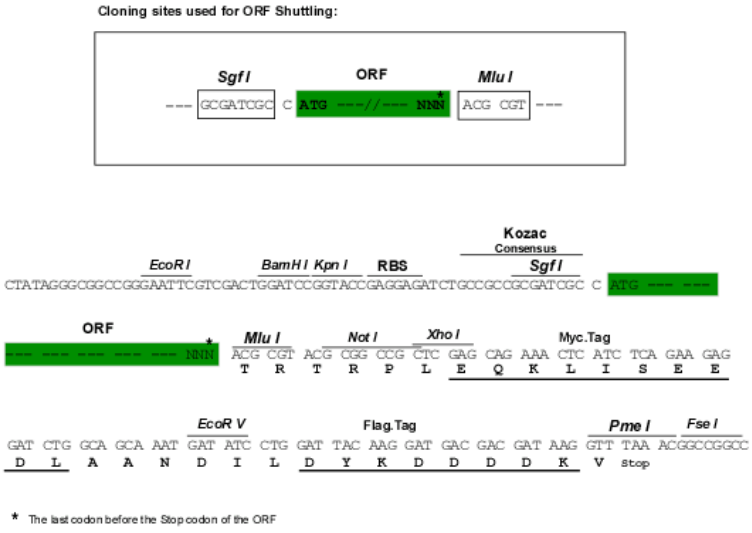
Restriction Sites: SgfI-MluI

Cloning Scheme:

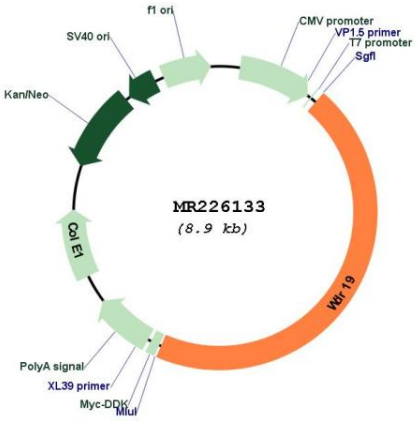


ACCN: NM_153391

ORF Size: 4023 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_153391.2, NP_700440.2
RefSeq Size:	4403 bp
RefSeq ORF:	4026 bp
Locus ID:	213081
UniProt ID:	Q3UGF1
Cytogenetics:	5 C3.1
MW:	151.5 kDa
Gene Summary:	As component of the IFT complex A (IFT-A), a complex required for retrograde ciliary transport and entry into cilia of G protein-coupled receptors (GPCRs), it is involved in cilia function and/or assembly (Probable). Essential for functional IFT-A assembly and ciliary entry of GPCRs (By similarity). Associates with the BBSome complex to mediate ciliary transport (PubMed:22922713).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226133