

## Product datasheet for **RC226495**

### WDFY4 (NM\_020945) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	WDFY4 (NM_020945) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	WDFY4
Synonyms:	C10orf64
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC226495 representing NM_020945 Red=Cloning site Blue=ORF Green=Tags(s)

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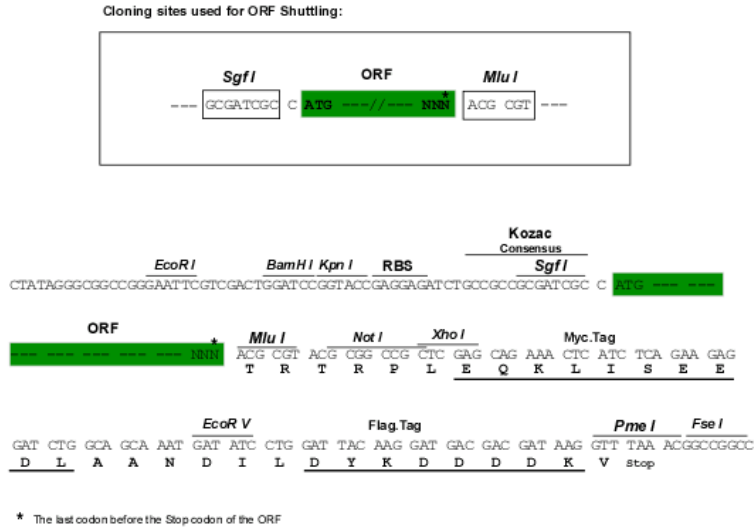
Protein Sequence: >RC226495 representing NM\_020945  
 Red=Cloning site Green=Tags(s)

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**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_020945

**ORF Size:** 9552 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\\_020945.2](#)

**RefSeq ORF:** 9555 bp

**Locus ID:** 57705

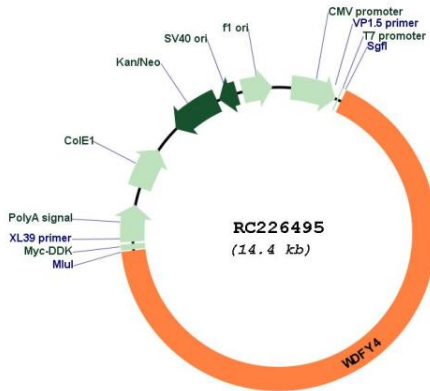
**UniProt ID:** [Q6ZS81](#)

**Cytogenetics:** 10q11.23

**MW:** 353.4 kDa

**Gene Summary:** Plays a critical role in the regulation of cDC1-mediated cross-presentation of viral and tumor antigens in dendritic cells. Mechanistically, acts near the plasma membrane and interacts with endosomal membranes to promote endosomal-to-cytosol antigen trafficking. Plays also a role in B-cell survival through regulation of autophagy.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC226495