

Product datasheet for **RG212400**

WFDC10A (NM_080753) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: WFDC10A (NM_080753) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: WFDC10A
Synonyms: C20orf146; dj688G8.3; WAP10
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG212400 representing NM_080753
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCACCCAGACTCTGCTGCCTGCTCCTGTTCTCTGTGTGCTGCTGCTGCAGGCCAGGGAGGATACC
GTGACAAGAAGAGGATGCAGAAAACACAGCTATCCCCAGAAATCAAAGTCTGCCAGCAGCAGCCTAACT
ATATCTATGCAAACACTTATGTGAATCTCACCGAGATTGTCAAGCAAATAACATATGCTGTTCTACCTAC
TGTGGGAATGTTGCATGAGCATCCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG212400 representing NM_080753
Red=Cloning site Green=Tags(s)
MAPQTLPLVLLCVLLQLAQQGYRDKKRMQKQLSPEIKVCQQPKLYLCKHLCESHRDCQANNICSTY
CGNVCMSIL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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:

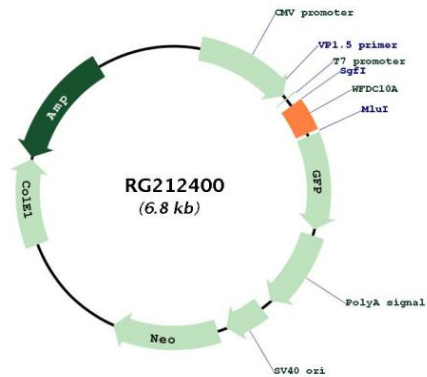
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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
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 RG212400