

Product datasheet for **RC233268**

IFT20 (NM_001267777) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: IFT20 (NM_001267777) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: IFT20
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233268 representing NM_001267777
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAAGGACATCCTGGGTGAAGCAGGGCTACACTTTGATGAAGTGAACAAGCTGAGGGTGTGGACC
CAGAGTTACCCAGCAGACCATAGAGCTGAAGGAAGAGTGCAAAGACTTTGTGGACAAAATTGGCCAGTT
TCAGAAAATAGTTGGTGGTTTAATTGAGCTTGTGATCAACTTGCAAAAGAAGCAGAAAATGAAAAGATG
AAGGCCATCGGTGCTCGGAAGTCTCAATCTATAGCAAAGCAGAGAGAAGCTCAACAGCAGCAACTTC
AAGCCCTAATAGCAGAAAAGAAAATGCAGCTAGAAAGAAATGAAGTGAATTTTCGCTTTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233268 representing NM_001267777
Red=Cloning site **Green**=Tags(s)

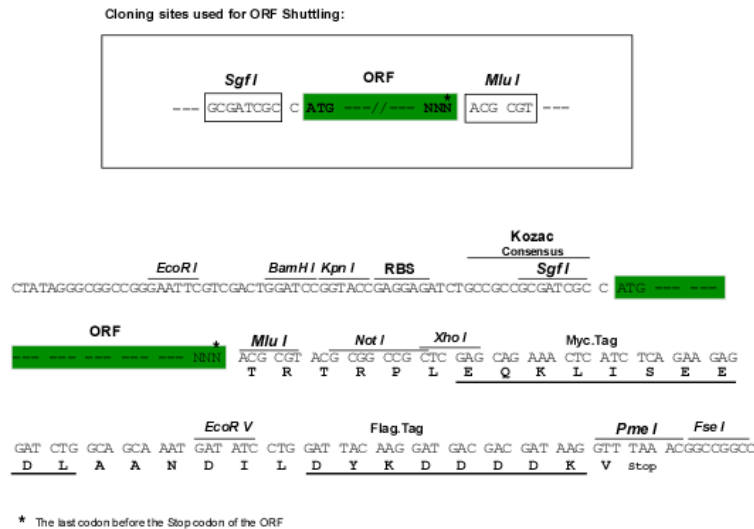
MAKDILGEAGLHFDELNKLRLVDPEVTQQTIELKEECKDFVDKIGQFQKIVGGLIELVDQLAKEAENEKM
KAIGARNLLKSIKQREAAQQQLQALIAEKKMQLERNELKISLL

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001267777

ORF Size: 342 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.

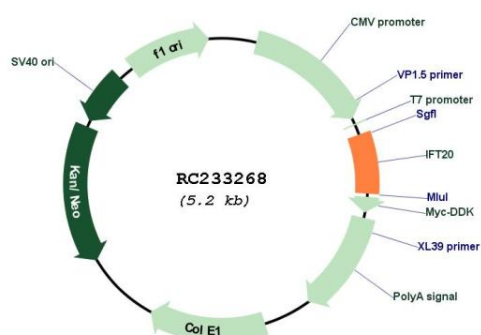
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001267777.2](#)

RefSeq Size: 848 bp
 RefSeq ORF: 345 bp
 Locus ID: 90410
 UniProt ID: [Q8IY31](#)
 Cytogenetics: 17q11.2
 MW: 13.4 kDa

Gene Summary: This gene encodes a intraflagellar transport protein important for intracellular transport. The encoded protein forms part of a complex involved in trafficking of proteins from the Golgi body, including recycling of immune signalling components (Finetti et al., PubMed: 19855387). This gene is part of a complex set of sense-antisense loci that may be co-regulated. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. A pseudogene of this gene is located on the long arm of chromosome 14.[provided by RefSeq, Jun 2012]

Product images:



Circular map for RC233268