

Product datasheet for SC319073

IFT20 (NM_174887) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IFT20 (NM_174887) Human Untagged Clone
Tag:	Tag Free
Symbol:	IFT20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_174887.2

```

GGTAAACAGGCTCTGTATCCGTGGCAGCGCCGTGGCAGGCTGGGTACCGGCTGTC
GCTGACCCAGGAGAAGCTGCCTGTCTACATCAGCCTGGGCTGCAGCGCGTGCCGCCGCG
GGGCCGCGCAGCCATGGCCAAGGACATCCTGGGTGAAGCAGGGCTACACTTTGATGAACTG
AACAAAGCTGAGGGTGTGGACCCAGAGGTTACCCAGCAGACCATAGAGCTGAAGGAAGAG
TGCAAAGACTTTGTGGACAAAATTGGCCAGTTTCAGAAAATAGTTGGTGGTTTAATTGAG
CTTGTTGATCAACTTGCAAAAGAAGCAGAAAAATGAAAAGATGAAGAGTCTTGCTGTGTCA
CCCAGGCTGGAGTGCACTGGTGCAATCTCGGCTCACTGCAAGCTCTGCCTCTCAGATTCA
AGCGATTCTCCCACCTCACCCCTCCCGAGTAGGTGGGACTACAGGCCATCGGTGCTCGGAA
CTTGCTCAAATCTATAGCAAAGCAGAGAGAAGCTCAACAGCAGCAACTTCAAGCCCTAAT
AGCAGAAAAGAAAAATGCAGCTAGAAAAGGTATCGGGTTGAATATGAAGCTTTGTGTAAGT
AGAAGCAGAACAATAATGATTTATTGACCAATTTATTTTTCAGAAATGAAGTGAATAATTT
CGCTTTTATAGTAGGAAGGCAAAACAAAAAAGCCTCTCAAAACCAAAAAAACCTCTGT
AGCATTCCAGCGCTTGACCAATGACCTATGTCACAAGAGGTGGCGTGTAAGGAATGCAG
CCCCCTGAAGACAGCACTACAAGTCTGGGGGAGCCAGTTTAAACATCAGTGCACAGCTGC
TGCTGGTGGCCCTGCAGTGTACGTTCTCACCTCTTATGCTTAGTTGGAACATAAGCAGTTT
GTAAACTTTCATCCTTTTTTTTGTAAATTCACAAAGCTTTGGAAGGAGAAGCAATAAATT
TTTGTTCATCAATGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
  
```

Restriction Sites: Please inquire

ACCN: NM_174887

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).


[View online »](#)

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none"> 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:	<u>NM_174887.2</u> , <u>NP_777547.1</u>
RefSeq Size:	1016 bp
RefSeq ORF:	447 bp
Locus ID:	90410
UniProt ID:	<u>Q8IY31</u>
Cytogenetics:	17q11.2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) has multiple differences compared to variant 1. These differences result in a distinct 5' UTR, cause translation initiation at a downstream start codon, and result in a frameshift compared to variant 1. The encoded protein (isoform 2) is shorter than isoform 1 and has a distinct C-terminus.</p>