

Product datasheet for SC330787

IFT20 (NM_001267778) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: IFT20 (NM_001267778) Human Untagged Clone
Tag: Tag Free
Symbol: IFT20
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330787 representing NM_001267778.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCCAAGGACATCCTGGGTGAAGCAGGGCTACACTTTGATGAACTGAACAAGCTGAGGGTGTGGAC
 CCAGAGGTTACCCAGCAGACCATAGAGCTGAAGGAAGAGTGCAAAGACTTTGTGGACAAAATTGGCCAG
 TTTCAGAAAATAGTTGGTGGTTAATTGAGCTTGTGATCAACTGCAAAAGAAGCAGAAAATGAAAAG
 ATGAAGGTATCGGGTGA

Restriction Sites: SgfI-MluI

ACCN: NM_001267778

Insert Size: 225 bp

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).

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_001267778.1

RefSeq Size: 784 bp


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RefSeq ORF: 225 bp

Locus ID: 90410

UniProt ID: [Q8IY31](#)

Cytogenetics: 17q11.2

MW: 8.3 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]

Transcript Variant: This variant (6) 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 isoform (5) is shorter and has a distinct C-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.