

Product datasheet for **SC328493**

IFT46 (NM_001168618) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IFT46 (NM_001168618) Human Untagged Clone
Tag:	Tag Free
Symbol:	IFT46
Synonyms:	C11orf2; C11orf60; CFAP32
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001168618, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGATAACAGCAGTGATGAGTGTGAAGAGGAAAATAACAAGGAGAAGAAGAAGACC
TCACAGTTGACACCTCAACGGGGCTTTAGTGAAAATGAGGATGACGATGATGATGATGAT
GATTCATCTGAACTGATTCTGATTCTGATGATGATGATGAAGAGCATGGAGCCCCTCTG
GAAGGGGCCTATGACCCTGCAGACTATGAGCATTTGCCAGTTTCTGCTGAAATTAAGGAA
CTCTTCCAGTACATCAGTAGGTACACACCTCAGTTGATTGACCTGGACCACAACTGAAG
CCTTTTCATTCTGATTTATCCCAGCTGTCGGGGATATTGATGCATTCTTAAAGTCCCA
CGTCCTGATGGAAAGCCTGACAACCTTGGCCTATTGGTATTGGATGAACCTTCTACAAAG
CAGTCAGACCCTACGGTGCTCTCACTCTGGTTAACAGAGAATTCTAAGCAGCACAAACATC
ACACAACATATGAAAGTAAAAAGCCTAGAAGATGCAGAAAAGAATCCCAAAGCCATTGAC
ACGTGGATTGAGAGCATCTCTGAATTACACCGTTCTAAGCCCCCTGCGACTGTGCACTAC
ACCAGGCCCATGCCCCGACATTGACACGCTGATGCAGGAATGGTCCCCGGAGTTTGAAGAG
CTTTTGGGCAAGGTAAGCCTGCCACGGCAGAGATTGATTGCAGCCTGGCAGAGTACATT
GACATGATCTGTGCCATTCTAGACATCCCTGTCTACAAGAGTCGGATCCAGTCCCTCCAT
CTGCTCTTTTCCCTCTACTCAGAATTCAAGAACTCACAGCATTTTAAAGCTCTCGCTGAA
GGCAAGAAAGCATTCACTCCTTCATCCAATTCCACCTCCCAAGCTGGAGACATGGAGACA
TTAACCTTCAGCTGA
  
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Restriction Sites:	Please inquire
ACCN:	NM_001168618
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).


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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:	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_001168618.1</u> , <u>NP_001162089.1</u>
RefSeq Size:	1722 bp
RefSeq ORF:	915 bp
Locus ID:	56912
UniProt ID:	<u>Q9NQC8</u>
Cytogenetics:	11q23.3
Gene Summary:	Forms part of a complex involved in intraflagellar transport (IFT), the bi-directional movement of particles required for the assembly, maintenance and functioning of primary cilia. May play a role in chondrocyte maturation and skeletogenesis (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region compared to variant 1. The encoded isoform (2) is shorter compared to isoform 1.