

## Product datasheet for **SC127746**

### IFT81 (AK097985) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IFT81 (AK097985) Human Untagged Clone
Tag:	Tag Free
Symbol:	IFT81
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for AK097985, the custom clone sequence may differ by one or more nucleotides

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ACAATTAGGAAAGATAGTCTCCAACAAAGAGTGCAGGAATAATGAATATCCACATGCCAAAAAATGAAT
CTAGACCCAAACCATATACCCTTCACAAAAATTAAGTCAAAATGGATTACAGACCTAAACATAAAATGCA
AAACTAGAAAACCTCTAGAAAAATACACAGGAGAAAAATCTAGGTGACCTGGGGATGTTGATGGCTTTTT
AGATACAGCAGCACAAAAGGCATGGTCAATGAAAGAAAGAACTGATAGGGGAAACTTAAAAAACTGCTG
CTCTGTGAAAGATACTGTCAAGAGAACGAGAAGACAAGCCACAGATGGGAAAACTATTAGCAAAAAGCAG
GATCTGAAAAAGGACTATTATCCAAAATATACTAAAAATCTTAAAGTTCAACAATAAGAAAAACAACAA
CTTGGTTTAAAAAAGGGCAAAAGACCTGAATAGACACCTTACCAAAGAAGATATACAGATAGCAAAATAG
TATATGAAAGATGCTCATATGTCATCAGGGAATTACAAATTTAAACAATGACATACCACTACACACCT
ATTAGATGGGCCAAACCCAAAAGATTGACAACATTAATACTGGCATAAATATGGAGCAACAGGAACTC
TCATTCATTGATGGTGGGAATGCAAAATAGTATAGCCACTTTGGAAGACAGTTTGGCAGTTTCTACCAA
AGCAAACATACTTTTACCATGTGATCCAGCCATCATGCTCCTTGGCATTACGTAATGAAATGAAATCT
TATGTCTACACAAAAACCTGTACATAGATTTACAGCAGATTTTTCATAACTGCCAAAAATTTGGAAGC
AACCAAGATGCTCTTCAGTAGGTGAATGGATAAACTGTGGGTCTCCAGACAATGGATATTATTCATCAC
TAAAAAGAAATGAGCTATCAAGGCATAAAAAGACCTACCAGAACTTAAATTGCATATTATTAAGTGCAA
GAAGCCTATATGAAAAGATAACATACTATATGATTTCAACTAGATAACATTTTAGAAAAGGCAAACTAT
GGAGACAGTAAAAAGTCACTGGTTGCCAGGGTCAAGTGTGGAGGGAAGGATGAATAGGTAGAGCACAGG
GGATATTTGGGCAGTAAAATCTTCTTATGATACTACAATCATAGATGCATGTCATTATACATTTGCC
CAAACCCACAGAATGCACAACACAAGAATGAACCATAATGTGGACTATGGAATTTGGGTTCTAATAATG
TGTCAGTGTAGGTTCTTCGATTGTAACAAAGTAACACTCTGGTGGGGGATGTTGACAATGGGGGAGGCT
GTGCATGTGCGGGGACAGGGGTATATGGAACTGTATACTTTCTGCTCAATTTTCATTGTGAATCTAAAC
TGCTTTGAAAAACAAAGTCTATTAAGTCAGTCAGTTAATCCTTCACTACTTCACCATCTCCTTCACTTA
CGGTGAAATCAAAGTAACAAACAGGGCTGCAAGGCCCTATGCAATCTGGCCTCCTTCCCCATTCTGCCT
CCCTCCCTCCTGCTTACTTTGCTCCAGCCATGCTGGCCTCCTTGGCAGCCAGAATGCCAGGCACACTGCA
CCTCTGGGCTTTGCACTTGCTGTGCTCTCTCCAGGAACATTCTTCCCTGAGAGAGCCTCCCTGGTTCC
CTGCCATCTTCTCAGGTCTTTATTCAAATGTCACCTTCTTCGTGAGGTCTTCCCCATCACTCTAATTA
AAAATGCAGCTTTAGCTGTGCACAGTGGCTCACACCTGTAATCCTAGTGTCTTTGGGAGGCCAAGGCAGGA
GGATCGCTTGAGTCCAGGAGTTCAAGACAAGCCTGGGCAACACAGCGAGACCACGCTCTCCTAAAACT
TTTAAAAATTAGCAGGGCATGGAGGCACGTGCCTGTAGTCCCAGCTGCTTAGGAGGCTGAGGCAGGAGAT
CACTTCAGCCTGGAAGTTCAAGGCTGCAGTGAGCTATGATCACACTACTACACCAGCCTGGGGCAGAC
AGTGAGACCCTGTCTCTAAAT
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for AK097985 unedited TACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTTCGACAAAGGAGCAGAGGC AATACAATTAGGAAAGATAGTCTCCAACAAGAGTGCAGGAATAATGAATATCCACATGC CAAAAAATGAATCTAGACCCAAACCATATACCCTTCACAAAAATTAAGTCAAAATGGAT TACAGACCTAAACATAAAATGCAAACTAGAAAACCTCCTAGAAAAAACACAGGAGAAAA TCTAGGTGACCTTGGGGATGTTGATGGCTTTTTAGATACAGCAGCACAAAAGGCATGGTC AATGAAAGAAAGAACTGATAAGCGAAACTTAAAAAACTGCTGCTGTGAAAGATACTG TCAAGAGAACGAGAAGACAAGCCACAGATGGGAAAAAACTATTAGCAAAAGCAGGATCTG AAAAAGGACTATTATCCAAAATATACTAAAAATTCTTAAAGNTCAACAATAAGAAAAAC AACACTTGGTTTTAAAAAGGGCAAAAGACCTGAATAGACACCTTTACCAAGAGATATA CAGATAGCAAATAAGTATATGAAAAGATGCTCATATGTCATCAAGGAATTACAAATTTAA AACAAATGACCTACCACTACACCCCTATTAGATGGCCCCCAACCCAAAAGATNGACCACA CTAAATACCTGCCTTAAATTTGGAACCACAAGAACTCTCATTATTGATGGCGGAAAAG CGAAAAAGTTTAAACCCCTTTGAAAAACAGTTTGAATTTCTACCAAGAAAACTACTT TTACCATGGGAACACCCTCATGCCCTTGGTTTTACGAAAAGAAAAGAAAACCTTGGC TACCACAAACCGTCTTATTTCACCGTATTTTTTTTACCGCAAATTGAAACCCC AAAACCCCTCAACGGGAAAAGAAAACCGGGGGCACCCAAAAG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	AK097985
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">AK097985.1</a>
<b>RefSeq Size:</b>	2052 bp
<b>RefSeq ORF:</b>	2052 bp
<b>Locus ID:</b>	28981
<b>Cytogenetics:</b>	12q24.11
<b>Gene Summary:</b>	The protein encoded by this gene, together with IFT74, forms a tubulin-binding module of intraflagellar transport complex B. This module is involved in transport of tubulin within the cilium, and the encoded protein is required for ciliogenesis. Mutations in this gene are a cause of short-rib polydactyly syndromes. [provided by RefSeq, Dec 2016]