

Product datasheet for SC309927

IFT122 (NM_052985) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	IFT122
Synonyms:	CED; CEDI; FAP80; SPG; WDR10; WDR10p; WDR140
Vector:	<u>pCMV6 series</u>

Fully Sequenced ORF: >NCBI ORF sequence for NM_052985, the custom clone sequence may differ by one or more nucleotides

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ATGAGGGCCGTGTTGACGTGGAGAGATAAAGCCGAGCACTGTATAAATGACATCGCATTT
AAGCCTGATGGAACCTCAACTGATTTTGGCTGCCGGAAGCAGATTACTGGTTTATGACACC
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TATGCGAAGGATGGCAAGCGCTTTGCTTCTGGATCAGCTGACAAAAGCGTTATTATCTGG
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CCTAAAGGCCAAGGTGGGAGGATTGATTGCTTGAGGCCAAGCGTTCAAAACCAACCTGGC
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TTTCAGGAACCAACGCCAACAGTGTAGCTTGAACACCCAGTGTGAGGACATGCTCTGC

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TTCTCGGGAGGAGGCTACCTCAACATCAAAGCCAGCACCTTCCCTGTGCACCGGCAGAAG
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GTGCTACACCTGGTTGAGTTCTACCTGGAGGAAGGGATCACTGATGAAGAAGCCATCTCC
CTCATCGACCTGGAGGTGCTGAGACCCAAGCGGGATGACAGACAGCTAGAGATTGCAAAAC
AACAGCTCCAGATTCTGCGGCTAGTGGAGACCAAGGACTCCATCGGAGATGAGGACCCG
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CGGCTGGTGTGCGCTCCATGAGCCGCCGGGATGTCTCATCAAGCGATGGCCCCACCC
CTGAGGTGGCAATCTTCCGCTCACTGCTGCCTGACGCTCCATTACCATGTGCCCCCTCC
TGCTTCCAGATGTTCCATTCTGAGGACTATGAGTTGCTGGTGTTCAGCATGGCTGCTGC
CCCTACTGCCCGAGGTGCAAGGATGACCCTGGCCCATGA

Restriction Sites:

Please inquire

ACCN:

NM_052985

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).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_052985.1, NP_443711.1</u>
RefSeq Size:	4182 bp
RefSeq ORF:	3879 bp
Locus ID:	55764
UniProt ID:	<u>Q9HBG6</u>
Cytogenetics:	3q21.3-q22.1
Domains:	WD40
Gene Summary:	This gene encodes a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-aspartate (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. This cytoplasmic protein contains seven WD repeats and an AF-2 domain which function by recruiting coregulatory molecules and in transcriptional activation. Mutations in this gene cause cranioectodermal dysplasia-1. A related pseudogene is located on chromosome 3. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013] Transcript Variant: This variant (1) is the longest transcript and encodes the longest isoform (1).