

Product datasheet for **SC337853**

IFT122 (NM_001280545) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IFT122 (NM_001280545) Human Untagged Clone
Tag:	Tag Free
Symbol:	IFT122
Synonyms:	CED; CED1; FAP80; SPG; WDR10; WDR10p; WDR140
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001280545, the custom clone sequence may differ by one or more nucleotides

ATGTTCAATGGGATCATCAGCATACGGAACAAAAATGGCGAGGAGAAAGTAAAGATCGAGCGGCCGGGG
GCTCCCTCTCGCAATATGGTCCATCTGCTGGAACCTTCAAGCCGATGGGAGAGTTTCTGGATGAACAG
AGAGAATGAGGATGCCGAGGATGTCAATGTCAACAGATATATTCAGGAAATCCCTTCCACTCTGAAGTCA
GCAGTGTACAGTAGTCAGGGTAGTGAGGCAGAGGAGGAAGAACCAGAGGAAGAGGACGACAGTCCCAGGG
ACGACAACCTAGAGGAACGTAATGACATCCTGGCTGTGGCTGACTGGGGACAGAAAGTTTCTTCTACCA
GCTGAGTGGAAAACAGATTGGAAGGATCGGGCACTGAACTTTGACCCCTGCTGCATCAGCTACTTTACT
AAAGGCGAGTACATTTTCTGGGGGTTTCAACAAGCAAGTATCTCTTTTACCAAGGATGGAGTCCGGC
TTGGGACTGTTGGGGAGCAGAACTCCTGGGTGTGGACGTGTCAAGCGAAACCGGATTCCAATATGTGGT
GGTCGGCTGCCAGGACGGCACCATTTCCTTCTACCAGCTATTTTTCAGCACAGTCCATGGGCTTTACAAG
GACCGCTATGCCTACAGGGATAGCATGACTGACGTCAATGTGCAGCACCTGATCACTGAGCAGAAAGTTC
GGATTAATGCAAAGAGCTTGTCAGAAGATTGCCATCTACAGAAATCGATTGGCTATCCAATGCCAGA
GAAAATCCTCATCTATGAGTTGTATTCAAGGACTTATCAGACATGCATTACCGGGTAAAGGAGAAGATT
ATCAAGAAGTTTGAGTGCAACCTCCTGGTGGTGTGTGCCAATCACATCATCCTGTGCCAGGAGAAACGGC
TGCAGTGCCTGTCCTTCAGCGGAGTGAAGGAGCGGGAGTGGCAGATGGAGTCTCTCATTTCGTTACATCAA
GGTGATCGGTGGCCCTCCTGGAAGAGAAGGCCTCTTAGTGGGGCTGAAGAATGGACAGATCCTGAAGATC
TTCGTGGACAATCTCTTTGCTATCGTCCTGCTGAAGCAGGCCACAGCTGTGCGCTGCTTGGACATGAGTG
CCTCCCGTAAGAAGCTGGCCGTGGTAGATGAAAATGACACTTGCCTGGTGTATGACATCGACACCAAGGA
GCTGCTTTTTCAGGAACCAACGCCAACAGTGTAGCTTGAACACCCAGTGTGAGGACATGCTCTGCTTC
TCGGGAGGAGGCTACCTCAACATCAAAGCCAGCACCTTCCTGTGCACCGGCAGAAAGCTGCAGGGCTTTG
TGGTCCGCTACAATGGCTCCAAGATCTTCTGCCTCCATGTCTTCTCCATTTCTGCCGTGGAGGTGCCGA
GTCCGCTCCCATGTACCAGTACCTGGATAGGAAACTGTTCAAGGAAGCCTACCAGATTGCTTGTGGGT
GTCACAGACACTGATTGGCGTGAAGTGGCCATGGAAGCGCTAGAAGGTTTAGATTTTGAACAGCAAAGA
AGGCCCTCATCAGAGTACAAGACCTCCGATATTTAGAGCTCATCAGCAGATTGAGGAGAGGAAGAAGCG



[View online »](#)

GGGAGAGACCAACAATGACCTGTTTCTGGCAGATGTGTTTCTACCAGGGAAGTTCCATGAGGCCGCC
AACTGTACAAGAGGAGTGGGCACGAGAACCTCGCGCTTGAAATGTACACCGACCTCTGCATGTTTGAGT
ATGCCAAGGATTTCTTGGATCTGGAGACCCCAAGAAACAAAGATGCTAATCACCACAGGCTGACTG
GGCCAGAAATATCAAGGAGCCCAAGCCGCGTGGAGATGTACATCTCAGCAGGAGAGCACGTCAAGGCC
ATCGAGATCTGTGGTGACCATGGCTGGTTGACATGTTGATCGACATCGCCCGCAAAGTGGACAAGGCTG
AGCGCAGCCCCCTGCTGCTGTGCGCTACCTACCTCAAGAAGCTGGACAGCCCTGGCTATGCTGCTGAGAC
CTACCTGAAGATGGGTGACCTCAAGTCCCTGGTGCAGCTGCACGTGGAGACCCAGCGCTGGGATGAGGCC
TTTGCTTTGGGTGAGAAGCATCCTGAGTTTAAGGATGACATCTACATGCCGTATGCTCAGTGGCTAGCAG
AGAACGATCGCTTTGAGGAAGCCAGAAAGCGTTCCACAAGGCTGGGCGACAGAGAGAAGCGGTCCAGGT
GCTGGAGCAGCTCACAACAATGCCGTGGCGGAGAGCAGGTTTAAATGATGCTGCCTATTATTACTGGATG
CTGTCCATGCAGTGCCTCGATATAGCTCAAGATCCTGCCAGAAGGACACAATGCTTGGCAAGTTCTACC
ACTTCCAGCGTTTGGCAGAGCTGTACCATGTTACCATGCCATCCATCGCCACACGGAAGATCCGTTTACG
TGTCATCGTCTGAACTCTTTTCAACATCTCCAGGTTCTGCTGCACAGCCTGCCAAGGACACCCCC
TCGGGCATCTCTAAAGTAAAACTCTTACCTTGGCCAAGCAGAGCAAGGCCCTCGGTGCCTACAGGC
TGGCCCGGCACGCTATGACAAGCTGCGTGGCCTGTACATCCCTGCCAGATTCCAAAAGTCCATTGAGCT
GGGTACCTGACCATCCGCGCCAAGCCCTTCCACGACAGTGAGGAGTTGGTGCCCTTGTGCTACCGCTGC
TCCACCAACAACCGCTGCTCAACAACCTGGGCAACGTCTGCATCAACTGCCCGCAGCCCTTCATCTTCT
CCGCTCTTCTACGACGTGCTACACCTGGTTGAGTTCTACCTGGAGGAAGGGATCACTGATGAAGAAGC
CATCTCCCTCATCGACCTGGAGGTGCTGAGACCAAGCGGGATGACAGACAGCTAGAGATTGCAACAAC
AGCTCCAGATTCTGCGGCTAGTGGAGACCAAGGACTCCATCGGAGATGAGGACCCGTTCCAGCTAAGC
TGAGCTTTGAGCAAGGTGGCTCAGAGTTCTGTCAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
CCGCCGGGATGTCCTCATCAAGCGATGGCCCCACCCCTGAGGTGGCAATACTTCCGCTCACTGCTGCCT
GACGCTCCATTACCATGTGCCCTCTGCTTCCAGATGTTCCATTCTGAGGACTATGAGTTGCTGGTGC
TTCAGCATGGCTGCTGCCCTACTGCCGAGGTGCAAGGATGACCCTGGCCCATGA

Restriction Sites: Sgfl-MluI

ACCN: NM_001280545

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_001280545.1](#), [NP_001267474.1](#)

RefSeq Size: 4414 bp

RefSeq ORF: 3276 bp

Locus ID: 55764

UniProt ID: Q9HBG6

Cytogenetics: 3q21.3-q22.1

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 (6) lacks an alternate exon and contains an alternate exon in the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. It encodes isoform 6, which is shorter than isoform 1.