

Product datasheet for RC221778

IFT122 (NM_018262) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IFT122 (NM_018262) Human Tagged ORF Clone
Tag:	Myc-DDK
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)
ORF Nucleotide Sequence:	>RC221778 representing NM_018262 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGGCCGTGTGACGTGGAGAGATAAAGCCGAGCACTGTATAAATGACATCGCATTTAAGCCTGATG
GAACTCAACTGATTTGGCTGCCGAAGCAGATTACTGGTTTATGACACCTCTGATGGCACCTTACTTCA
GCCCTCAAGGGACACAAAGACTGTGTACTGTGGCATATGCGAAGGATGGCAAGCGCTTTGCTTCT
GGATCAGCTGACAAAAGCGTTATTATCTGGACATCAAACTGGAAGGCATTCTGAAGTACACGCACAATG
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TGTTGGGGAGCAGAACTCCTGGGTGTGGACGTGCAAGCGAAACCGGATCCAACATGTGGTGGTCCGGC
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TTTCAGGAACCAACGCCAACAGTGTAGCTTGGAAACCCAGTGTGAGGACATGCTCTGCTTCTCGGGAG
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Protein Sequence: >RC221778 representing NM_018262
 Red=Cloning site Green=Tags(s)

MRAVL TWRDKAEHCINDIAFKPDGTQLILAAGSRLLVYDTS DGTLLQPLKGHKD TVYCVAYAKDGKRFAS
 GSADKSVIIWTSKLEGI LKYTHNDAIQCVSYNPITHQLASCSSDFGLWSPEQKSVSKHKSSSKIICCSW
 TNDGQYLALGMFNII SIRNKNGEKVKIERPGGSLSPIWSICWNPSREERNDILAVADWGQKVSFYQLS
 GKQIGKDRALNFDPC CISYFTKGEYILLGGSDKQVSLFTKDGVR LGTVGEQNSWWVTCQAKPDSNYYVVG
 CQDGTISFYQLIFSTVHGLYKDRYAYRDSMTDVI VQHLITEQKVR IKCKELVKKIAIYRNRLAIQLPEKI
 LIYELYSEDLSDMHYRVKEKIIKKFECLLVVCANHIILCQEKRLQCLSFSGVKEREWQMESLIRYIKVI
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 PMYQYLD RKL FKEAYQIACLGVTD TDWRELAMEALEGLDFETAKKAFIRVQDLRYLELISSIEERKKRGE
 TNNDLFLADVFSYQGFHEAAKLYKRSGHENLALEM YTDLCMF EYAKDFL GSGDPKETKMLITKQADWAR
 NIKEPKAAVEMYISAGEHVKAIEICGDHGWV DMLIDIARKLDKAEREPLLLCATYLKKLDSPGYAAETYL
 KMGDLKSLVQLHVETQRWDEAFALGEKHPEFKDDIYMPYAQWLAENDRFEEAQKAFHKAGRQREAVQVLE
 QLTNNVAESRFNDAAYYYWMLSMQCLDIAQDPAQKDTMLGKFYHFQRLAELYHG YHAIHRHTEDPF SVH
 RPETLFNISRFLHLSPKDTPSGISKVKILFTLAKQSKALGAYRLARHAYDKLRGLYIPARFQKSIELGT
 LTIRAKPFHDSEELVPLCYRCSTNNPLLNLGNVCINC RPQPFIFSASSYDVLHLVEFYLEEGITDEEAIS
 LIDLEVL RPKRDRQLEIANNSSQILRLVETKDSIGDEDPFTAKLSFEQGGSEFV P VVVSRLVLRMSRR
 DVLIKRWPPPLRWQYFRSLLPDASITMCPSCFQMFHSEDYELLVLQHGCCPYCRRCKDDPGP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6612_f11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

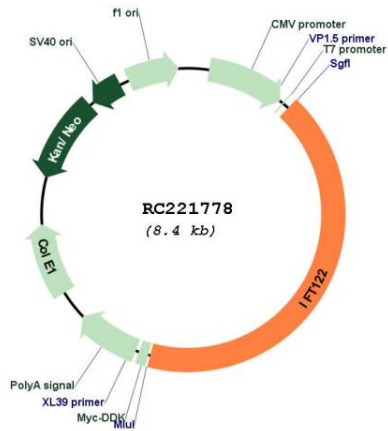


ACCN: NM_018262

ORF Size: 3546 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none"> 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_018262.4
RefSeq Size:	3837 bp
RefSeq ORF:	3549 bp
Locus ID:	55764
UniProt ID:	Q9HBG6
Cytogenetics:	3q21.3-q22.1
Domains:	WD40
MW:	134.8 kDa
Gene Summary:	<p>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-aspartic acid (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]</p>

Product images:



Circular map for RC221778