

## Product datasheet for **MR209962**

### Ift81 (NM\_009879) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ift81 (NM_009879) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ift81
Synonyms:	AW060663; Cdv-1; Cdv-1r; Cdv1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR209962 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGCATCGCC

ATGAGTGACCAAATCAAATTCATCGTGGACAGCCTCAATAAGGAGCCTTTTAAGAAGAATTATAACTTAA  
TCACATTTGATTCCTTGGGACCAATGCAACTATTGCAAGTTCTCAATGATGTCCTGGCTGAGATTGACCC  
CAAGCAAGATGTTGATATCAGAGAGGAGATGCCAGAGCAGACAGCCAAACGAATGTTGAATCTTCTTGGT  
ATCCTTAAGTACAAACCTCCGGGAAATGCCACAGACATGAGCACCTTCCGTCAGGGCTTGGTGATTGGAA  
GTAACCTGTGATTTACCCAGTGTCCACTGGCTTCTTCAGCGGAGTAATGAACTAAAGAAAAGGCATA  
TTAGCTCGTTTCTTAATAAACTGGAGGTGCCAAGTGAGTTTCTTCAAGATGAGACCGTGGCTGACACC  
AATAAACAGTATGAAGAGCTGATGGAAGCCTTTAAACTCTGCATAAAGAGTGTGAGCAGCTCAAAACAT  
CTGGATTCTCTACAGCAGAAATCAGAAGGGATATCAGCGCAATGGAGGAGAAAAAGACCAGCTCATGAA  
GAGAGTTGAACGGCTGAAGAAGAGGGTGGAGACCGTTTCAAGCAATCAGCGAATGCTTAAATAGCAAGA  
CAGCTTCGAGTTGAGAAAAGAGAGAGAAGATTTCTTGCACAACAGAAAACAGGAACAAAAGAAATCAGCTGT  
TTCATGCGGTGCAGAGATTGCAGAGAGTGCAAAATCAGCTGAAGAGCATGCGGCACGCAGCAGCGGATGC  
AAAGCCTGAGAGTTAATGAAGAGGCTAGAGGAGGAGATAAAATTTAACTCATACATGGTCACTGAAAAA  
TTTCCAAAAGAATTAGAAAGCAAGAAAAAGGAATTACATTTTTTACAGAAGTGGTTTCTGAGCCAGCTA  
TGGGCCACTCTGACCTTCTCGAACTTGAGACTAAAGTCAATGAAGTAAACACGGAGATCAATCAGTTGAT  
TGAAAAGAAAAATGATGAGAAACGAGCCAATTGAAGCAAGCTCTCACTGTACAGGCAACAGGCATCCATC  
ATTTCTCGTAAGAAAAGCCAAAGCTGAGGAGCTGCAGGAGACCAAGGAGAAGCTGGCCAGCCTTGAGA  
CAAGCGTACGTACGTAACCTTCGAAGCAAAAGCACAGTTTTTCAAAAAGAAAGCATCAGATAATAGCTGAA  
TTTAAGGCTGAGTTTGGCCTCCTGCAGAGGACAGAAGAATTTCTGAAGCAGCGTCAGGAAACCATTGAGC  
ATCAACTGCGAATATTGAAGAAAAGAGGGTATATCTGGATACAGTTACACCCAAGAGGAGCTTGAGAG  
AGTGTGCGCCCTGAAGAGTGAGTTGACGAGATGAAAGGCCGGACCCTGGATGACATGTCAGAGATGGTG  
AAAAACTGAATTCCTTGGTATCAGAAAAGAGTCACTTTAGCCCCAGTTATAAAAAGAACTACGGCAGT  
TGCGTCAGAAATGTCAAGAACTAACCCAGGAGTGTGATGAGAAGAAAGCCAGTATGATAGCTGTGCAGC  
AGGCCTTGAAAGCAACCGGTCAAATTAGAGCAGGAAGTGGGAGGACTTCGTGAGGAATGTCTTCAAGAA  
GAAAGTAAATACCACTATACAACTGCATGATTAAGAACCTAGAAGTTGAGCTTCGTGAGCGACTGATG  
AGATGAAGGCGTACGTCTTCTGATCAGCAAGAGAAGAGGAAAGCAATTAGGGAACAGTATACCAAAAA  
TATTACTGAGCAAGAAAACCTTGGTAAGAACTCCGGGAAAAACAAAAGCTGTACGAGAAAATCATGGT  
CCAAACATGAAGCAAGCAAAAATGTGGCGTGATCTTGAACAACCTGATGGAATGCAAAAAACAGTGCTTTC  
TAAAGCAGCAAAGCCAGCTTCCATCGGCCAGGTAATCAAGAGGGCGGAGAGGACCGGCTGGTTCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**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\\_009879.4](#)

**RefSeq Size:** 2957 bp

**RefSeq ORF:** 2031 bp

**Locus ID:** 12589

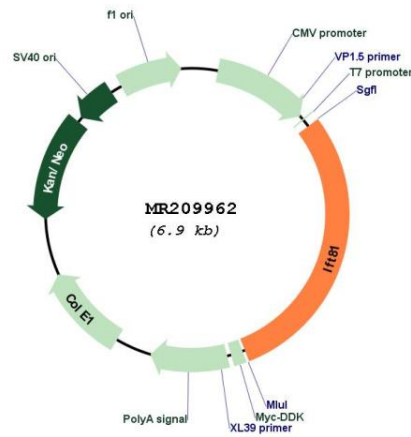
**UniProt ID:** [O35594](#)

**Cytogenetics:** 5 62.44 cM

**MW:** 79.3 kDa

**Gene Summary:** Component of the intraflagellar transport (IFT) complex B: together with IFT74, forms a tubulin-binding module that specifically mediates transport of tubulin within the cilium. Binds tubulin via its CH (calponin-homology)-like region. Required for ciliogenesis. Required for proper regulation of SHH signaling.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR209962