

Product datasheet for SC329415

IFT80 (NM_001190242) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	IFT80
Synonyms:	ATD2; FAP167; SRTD2; WDR56
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC329415 representing NM_001190242. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCTTAGATCAACTTTAGCTCAGCAAGGAACACCAAGTGTATTAGTAGCGTGGGGCCCTGATTCAGAA
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TTGCATTATGCAGAAGGTCTCCAAATAGATTGGGAGAAATCAAAGCCAAATTTGAGATGGAATTACA
AAAGAAAGAGAGCAATCATCAAGCAGCCAATCCAGCAAGAGTATAGGTTTAAAGCCCTAA

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Restriction Sites: SgfI-MluI



ACCN:	NM_001190242
Insert Size:	1923 bp
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001190242.1</u>
RefSeq Size:	4176 bp
RefSeq ORF:	1923 bp
Locus ID:	57560
UniProt ID:	<u>Q9P2H3</u>
Cytogenetics:	3q25.33
MW:	72.6 kDa
Gene Summary:	The protein encoded by this gene is part of the intraflagellar transport complex B and is necessary for the function of motile and sensory cilia. Defects in this gene are a cause of asphyxiating thoracic dystrophy 2 (ATD2). Three transcript variants encoding two different isoforms have been found for this gene.[provided by RefSeq, Jun 2010] Transcript Variant: This variant (3) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (b) is shorter at the N-terminus compared to isoform a. Variants 2 and 3 both encode the same isoform.