

## Product datasheet for **RG220583**

### DNAH11 (NM\_003777) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DNAH11 (NM_003777) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DNAH11
Synonyms:	CILD7; DNAHBL; DNAHC11; DNHBL; DPL11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG220583 representing NM_003777 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG220583 representing NM\_003777  
 Red=Cloning site Green=Tags(s)

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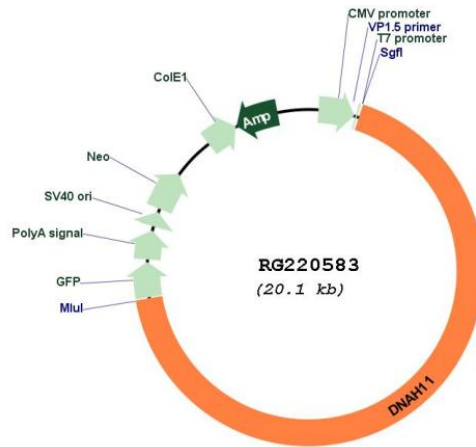
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 LEANSKVPWEDLRYLFG EIMYGGHITDDWDRKLCRVYLEEFMNP SLTEDELMLAPGFAAPPYLDYAGYHQ  
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 QTYECPVYR TKLRG PSYIWTFR LKSEEKTAKWVLAGVALLLEA

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI



**Plasmid Map:**


**ACCN:** NM\_003777

**ORF Size:** 13569 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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:**
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:	<u>NM_003777.2, NP_003768.2</u>
RefSeq Size:	14198 bp
RefSeq ORF:	13571 bp
Locus ID:	8701
Cytogenetics:	7p15.3
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a ciliary outer dynein arm protein and is a member of the dynein heavy chain family. It is a microtubule-dependent motor ATPase and has been reported to be involved in the movement of respiratory cilia. Mutations in this gene have been implicated in causing Kartagener Syndrome (a combination of situs inversus totalis and Primary Ciliary Dyskinesia (PCD), also called Immotile Cilia Syndrome 1 (ICS1)) and male sterility. [provided by RefSeq, Mar 2013]