

## Product datasheet for **RG212848**

### **C14orf104 (DNAAF2) (NM\_018139) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C14orf104 (DNAAF2) (NM\_018139) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** C14orf104  
**Synonyms:** C14orf104; CILD10; KTU; PF13  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG212848 representing NM\_018139  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGGCCAAAGCGGCGGCCTCCTCGTCGCTGGAGGACTTGGACCTGAGCGGAGAGGAGGTCCAGCGGCTCA  
 CCTCCGCCTTCCAGGACCCGGAGTTCCGGCGAATGTTCTCCAGTACGCCGAGGAGCTACCGACCCGGA  
 GAACCGGCGGCGCTACGAGGCGGAGATCACCGCGCTAGAGCGTGAGCGCGGGGTGGAAGTGCGGTTCTGT  
 CACCCGGAGCCCGGCCATGTGCTGCGCACCAGCCTGGACGGGGCGCGGCTGCTTGTGAATGTCTGCA  
 GCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG212848 representing NM\_018139  
Red=Cloning site Green=Tags(s)  
 MAKAAASSSLEDLDL SGEEVQRLTSAFQDPEFRMF SQYAEELTDPENRRRYEAEITALERERGVEVRFV  
 HPEPGHVLRTSLDGARRCFVNVCS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

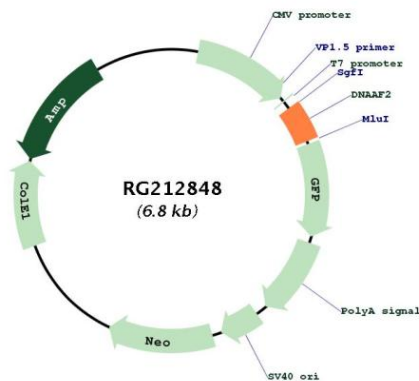

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**Cloning Scheme:**


ACCN:	NM_018139
ORF Size:	2511 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. <a href="#">More info</a>
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"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<a href="#">NM_018139.3</a>
RefSeq Size:	2976 bp
RefSeq ORF:	2514 bp

Locus ID:	55172
UniProt ID:	<a href="#">Q9NVR5</a>
Cytogenetics:	14q21.3
Gene Summary:	This gene encodes a highly conserved protein involved in the preassembly of dynein arm complexes which power cilia. These complexes are found in some cilia and are assembled in the cytoplasm prior to transport for cilia formation. Mutations in this gene have been associated with primary ciliary dyskinesia. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Oct 2009]

## Product images:



Circular map for RG212848