

Product datasheet for **SC318322**

C14orf104 (DNAAF2) (NM_018139) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C14orf104 (DNAAF2) (NM_018139) Human Untagged Clone
Tag:	Tag Free
Symbol:	C14orf104
Synonyms:	C14orf104; CILD10; KTU; PF13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC318322 representing NM_018139.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGC
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GATGACGACGATAAGGTTTAAACGGCCGGCCGCGGT
  
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Restriction Sites: SgfI-NotI
ACCN: NM_018139
Insert Size: 2514 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_018139.2</u>
RefSeq Size:	2976 bp
RefSeq ORF:	2514 bp
Locus ID:	55172
UniProt ID:	<u>Q9NVR5</u>
Cytogenetics:	14q21.3
MW:	91.1 kDa
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] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).