

Product datasheet for **RG209614**

ODAD4 (NM_031421) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ODAD4 (NM_031421) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ODAD4
Synonyms:	TTC25
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG209614 representing NM_031421
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGTCGGACCCCGAAGGCGAGACCTTGCAGACACCTTTCCCTCTTATATGGCCGAAGGCGAGCGGCTCT
 ACCTGTGCGGGGAATTTCTAAAGCCGCGCAGAGCTTCAGCAACGCTCTTTACCTTCAGGATGGAGACAA
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 GAACCAGAAGAACTAAAGAACTTTCAGAAGTGGGCAGAAGAGAGCCAGAAGAACTGGGAAAAACACAAT
 TTGGAGAAATAGGAGAAACGAAAAAAACAGGAAA

ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG209614 representing NM_031421
 Red=Cloning site Green=Tags(s)

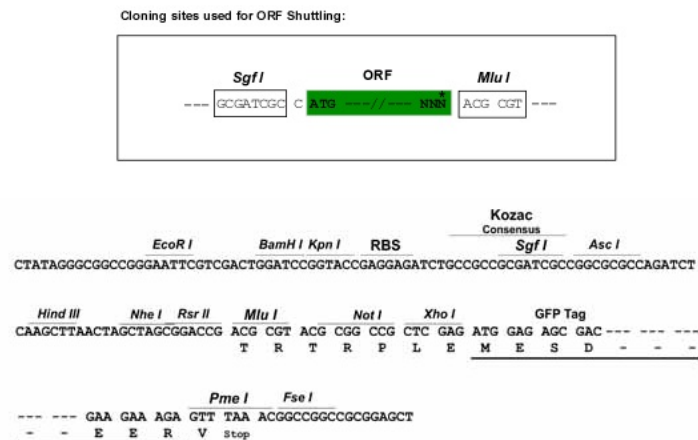
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 EPEELKKLSEVGRREPEELGKTQFGEIGETKKNRK

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_031421

ORF Size: 1995 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. [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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_031421.1](#), [NP_113609.1](#)

RefSeq Size: 2277 bp

RefSeq ORF: 2019 bp

Locus ID: 83538

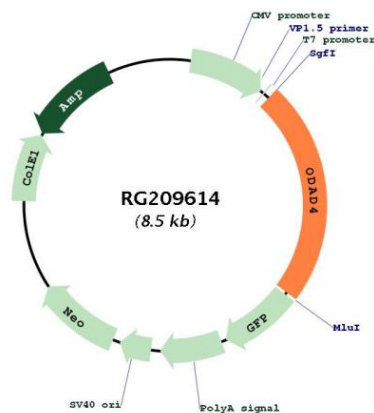
UniProt ID: [Q96NG3](#)

Cytogenetics: 17q21.2

Domains: TPR

Gene Summary: This gene encodes a tetratricopeptide repeat domain-containing protein that localizes to ciliary axonemes and plays a role in the docking of the outer dynein arm to cilia. Mutations in this gene cause severely reduced ciliary motility and the disorder CILD35 (ciliary dyskinesia, primary, 35). Primary ciliary dyskinesia is often associated with recurrent respiratory infections, immotile spermatozoa, and situs inversus; an inversion in left-right body symmetry. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Apr 2017]

Product images:



Circular map for RG209614