

Product datasheet for RG202768

DNAL1 (NM_031427) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

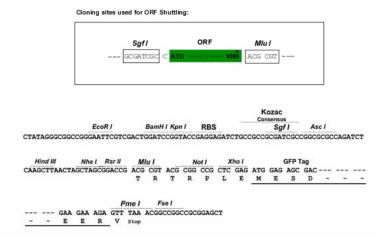
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| Product Type: | Expression Plasmids |
|------------------------------|---|
| Product Name: | DNAL1 (NM_031427) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | DNAL1 |
| Synonyms: | C14orf168; CILD16; LC1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | <pre>>RG202768 representing NM_031427 Red=Cloning site Blue=ORF Green=Tags(s)</pre> |
| | TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C |
| | ATGGATGCATCCTTGTCCATGCTTGCTAATTGCGAGAAGCTTTCACTGTCTACAAACTGCATTGAAAAAA TTGCCAACCTGAATGGCTTAAAAAACTTGAGGATATTATCTTTAGGAAGAAACAACATAAAGAACTTAAA TGGACTGGAGGCAGTAGGGGACACATTAGAAGAACTGTGGATCTCCTACAATTTTATTGAGAAGTTGAAA GGGATCCACATAATGAAGAAATTGAAGATTCTCTACATGTCTAATAACCTGGTAAAAGACTGGGCTGAGT TTGTGAAGCTGGCAGAACTGCCATGCCTCGAAGACCTGGTGTTTGTAGGCAATCCCTTGGAAGAGAGAAACA TTCTGCTGAGAATAACTGGATTGAAGAAGCAACCAAGAGAGAG |
| | ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA |
| Protein Sequence: | <pre>>RG202768 representing NM_031427 Red=Cloning site Green=Tags(s)</pre> |
| | MDASLSMLANCEKLSLSTNCIEKIANLNGLKNLRILSLGRNNIKNLNGLEAVGDTLEELWISYNFIEKLK GIHIMKKLKILYMSNNLVKDWAEFVKLAELPCLEDLVFVGNPLEEKHSAENNWIEEATKRVPKLKKLDGT PVIKGDEEEDN |
| | TRTRPLE - GFP Tag - V |
| Restriction Sites: | Sgfl-Mlul |



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Cloning Scheme:

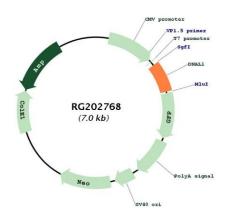


| ACCN: | NM_031427 |
|------------------------|--|
| ORF Size: | 453 bp |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (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. <u>More info</u> |
| 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: | Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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 031427.1, NP 113615.1</u> |
| RefSeq Size: | 6754 bp |
| RefSeq ORF: | 573 bp |
| Locus ID: | 83544 |
| UniProt ID: | Q4LDG9 |
| | |

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| | DNAL1 (NM_031427) Human Tagged ORF Clone – RG202768 |
|-----------------|---|
| Cytogenetics: | 14q24.3 |
| Domains: | LRR, LRR_SD22 |
| Protein Pathway | s: Huntington's disease |
| Gene Summary: | This gene encodes an axonemal dynein light chain which functions as a component of the outer dynein arms complex. This complex acts as the molecular motor that provides the force to move cilia in an ATP-dependent manner. The encoded protein is expressed in tissues with motile cilia or flagella and may be involved in the movement of sperm flagella. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Jan 2011] |

Product images:



Circular map for RG202768

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