

Product datasheet for **RG231855**

DNAL1 (NM_001201366) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DNAL1 (NM_001201366) 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: >RG231855 representing NM_001201366
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATGCATCCTTGCCATGCTTGCTAATTGCGAGAAGCTTTCCTGTCTACAACTGCATTGAAAAA
 TTGCCAACCTGAATGGCTTAAAAAATTGAGGATATTATCTTTAGGAAGAAACAACATAAAGAACTTAAA
 TGGACTGGAGGCAGTAGGGGACACATTAGAAGAACTGTGGATCTCCTACAATTTTATTGAGAAGTTGAAA
 GGGATCCACATAATGAAGAAATTGAAGATTCTCTACATGTCTAATAACCTGGTAAAAGACTGGGCTGAGT
 TTGTGAAGCTGGCAGAAGCTGCCATGCCTCGAAGACCTGGTGTGGTAGGCAATCCCTTGAAGAGAAACA
 TTCTGCTGAGAATAACTGGATTGAAGAAGCAACCAAGAGAGTGCCCAAAGCTGAAAAGCTGGATGGTACT
 CCAGTAATTAAGGGGATGAGGAAGAAGACAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231855 representing NM_001201366
 Red=Cloning site Green=Tags(s)

MDASLSMLANCEKLSLSTNCIEKIANLNGLKNLRILSLGRNNIKNLNGLEAVGDTLEELWISYNFIEKLN
 GIHIMKLLKILYMSNNLVKDWAEFVKLAELPCLEDLVFVGNPLEEKHSAENNWIEEATKRVPLKLLDGT
 PVIKGDDEEDN

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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">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_001201366.2</u>
RefSeq Size:	8584 bp
RefSeq ORF:	456 bp
Locus ID:	83544
UniProt ID:	<u>Q4LDG9</u>
Cytogenetics:	14q24.3
Protein Pathways:	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]