

Product datasheet for **SC117948**

DNALI1 (NM_003462) Human Untagged Clone

Product data:

| | |
|---------------------------|---------------------------------------------------------------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | DNALI1 (NM_003462) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | DNALI1 |
| Synonyms: | dj423B22.5; hp28; P28 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_003462, the custom clone sequence may differ by one or more nucleotides |

```
ATGGTGACGGCAAACAAGGCCACACTGGACAGGGCAGCTGCTGGGTTGCTACTCTCGCCTCCGCCATGA  
TTCCGCCCGCAGACTCTTTGCTCAAGTACGACACCCAGTCTGGTGAGCCGGAACACGGAGAAACGGAG  
CCCCAAGGCTCGGCTACTGAAAGTCAGCCCCAGCAGCCTGGACCTTCAGGTTACAGCCCCACAGCCACC  
AAGACCAAGCTCCCCTCAACTCCCTGTGTCCCAGATCCTACAAAGCAGGCAGAAGAAATCTTGAATGCCA  
TACTACCCCAAGGGAGTGGTGAAGACACGCAGCTATGGATCCAGCAGGTGTCCAGCACCCCTAGCAC  
CAGGATGGACGTGGTGCACCTCCAGGAGCAGTTAGACTTAAAGCTGCAGCAGCGGCAGGCCAGGGAACA  
GGCATCTGCCCTGTCCGAGGAACTCTACTCACAGTGTGTTTGTGAGTTGATCCGGGAGGTCACCATCA  
ACTGTGCGGAGAGGGGGCTGCTGCTGCTGCGAGTCCGGGACGAGATCCGCATGACCATCGCTGCCTACCA  
GACCCTGTACGAGAGCAGCGTGGCGTTTGGCATGAGGAAGGCACTGCAGGCTGAGCAGGGGAAGTCAGAC  
ATGGAGAGGAAAAATCGCAGAATTGGAGACGGAAAAGAGAGACCTGGAGAGGCAAGTGAACGAGCAGAAGG  
CAAAATGTGAAGCCACTGAGAAGCGGGAGAGCGAGAGGCGCAGGTGGAGGAGAAGAAGCACAATGAGGA  
GATTCAGTTCCTGAAGCGAACAAATCAGCAGCTGAAGGCCCACTGGAAGGCATTATTGCACCAAAGAAG  
TGA
```



[View online »](#)

| | |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5' Read Nucleotide Sequence: | <p>>OriGene 5' read for NM_003462 unedited GTCGGGATTTGTATACGATTTTCCTATAGGCGGCCCGCAATTCGCACGAGGGGCAGCTGC TGGGTTGCTACTCTCGCCTCCGCCATGATTCGCCCCGAGACTCTTTGCTCAAGTACGAC ACCCCAGTGCTGGTGAGCCGGAACACGGAGAAACGGAGCCCAAGGCTCGGCTACTGAAA GTCAGCCCCCAGCAGCCTGGACCTTCAGGTTTCAGCCCCACAGCCACCAAGACCAAGCTC CCCTCAACTCCCTGTGTCCAGATCCTACAAAGCAGGCAGAAGAAATCTTGAATGCCATA CTACCCCAAGGGAGTGGGTGGAAGACACGCAGCTATGGATCCAGCAGGTGCCAGCACC CCTAGCACAGGATGGAGTGGTGCACCTCCAGGAGCAGTTAGACTTAAAGCTGCAGCAG CGGCAGGCCAGGAAACAGGCATCTGCCCTGTCCGCAGGGAAGTCTACTCACAGTGT GATGAGTTGATCCGGGAGGTACCATCAACTGTGCGGAGAGGGGGCTGCTGCTGTCGA GTCCGGGACGAGATCCGCATGACCATCGCTGCCTACCAGACCCTGTACGAGAGCACCGTG GCGTTTGGCATGAGGAAAGGCACTGCAGGCTGAGCAGGGGAAGTCAGACATGGAGAGGAA AATCGACAATTGGAGACGGANAAGAGAGACCTGGAGAGGCAAGTGAACGAGCAGAAGGC AAAATGTGAAGCCACTGANAAACCGGAGAGCGAGAGGGCGCAGTGGGAGGATAATAAGCA CAATGAGGAGATTCAATTCTGAAGCCACCAATCAGCAGCTGAAGGCCCAACTGGCAGCG ATTATTGCACCAAGAAGGATAATTTCCCATGATTAATTTCCACAAGACACCTGGNAGTA TTTACTCGTGCTCCTCGACCCATAAAAAAT</p> |
| 3' Read Nucleotide Sequence: | <p>>OriGene 3' read for NM_003462 unedited GCTTCAGCAGCACTTATTGGCTGCCAGAGACACAGTAAAAACTCCCAGTGTCTTGTGGAA AATTAATCATGTGCGAAATTATCACTTCTTTGGTGAATAATGCCTTCCAGTTGGGCCTT CAGCTGCTGATTTGTTGCTTCAGGAAGTGAATCTCCTCATTGTGCTTCTTCTGCTGCAC CTGCCCTCTCGCTCTCCCGCTAGTCAGTGGCTGGACATTTGCGCTTCTGCTCGCCAC TTGCCCTACATGACTGTCTTTACCGACCACCAAGCGTGGCGCTGCACGGCATGACTG ACAAGCACTGTTGCGCAGCGAGAGTGCCTTTCTTTCCAGAACACACCATCAACCATACTCA CGAACCTGATATGCCAATCTGGGTGCTCGGAACCCCCGCGGCGCCCCCTCCCCCGCGC TCCGCTACTCGCTGCGGCCATGTCGTTGCCGGCGCCCCGCCCCCTGCCGTCCTCCTCTC CTTTTCTCCCGCCCCCGCCTGCACCTCCCCGNCCCCCCCCGACCCATTCTCTCGTCTT CCCTCCTTTCTCTCCCCCTTCGACCCCACTGCCCTGTCTCCTCCTTTCCGCGTCCGCC CCCCCNACCCGTGACCCCTCTTCTTTCTACCCGCGCGTGTCTGCGCGTCTCCCTACTC TCTTCTCTTTTATTGTGACTCCGCCCCGTTCTCTCCCTTTTCTGTGTTTACCAGTCACT TACATACGCCCCCGGATCACACGTATCANGGNGCAGAGAGAGAGTCCAGTTTTCTCAC CTTGTCTGTCTCCCGCGTTATCGTTGGCTGTTATGCTGTTCCGCCCCACGCGACTCCCC CCCCACCCACCTCTCTCCCGCCCGCCACCTCTCTCCCTCCCTCTTCTCCGTCCGTCCA CCCCCCTAGTTCCTCTCTTCTCTGTTACTCTGTTCTTTCCGCAACCTGTCTCCCGC CGGCATCCTCGTCCCTCCTCTGGTCTCTGTAGCCATCCACCGATATCCGGTCTGCTTGC CCACCCCTCTCTCGTTCCTCCTCCTCCTCAGCCG</p> |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_003462 |
| Insert Size: | 1010 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). |
| 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: [NM_003462.2](#), [NP_003453.1](#)

RefSeq Size: 2663 bp

RefSeq ORF: 774 bp

Locus ID: 7802

UniProt ID: [O14645](#)

Cytogenetics: 1p34.3

Protein Pathways: Huntington's disease

Gene Summary: This gene is the human homolog of the Chlamydomonas inner dynein arm gene, p28. The precise function of this gene is not known, however, it is a potential candidate for immotile cilia syndrome (ICS). Ultrastructural defects of the inner dynein arms are seen in patients with ICS. Immotile mutant strains of Chlamydomonas, a biflagellated algae, exhibit similar defects. [provided by RefSeq, Jul 2008]