

# Recombinant Human DNAL1 Protein, GST-tagged

**Cat. No.** DNAL1-2771H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Product Overview</b> | Human DNAL1 full-length ORF ( NP_113615.1, 1 a.a. - 151 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | 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] |
| <b>Molecular Mass</b>   | 43.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MDASLSMLANCEKLSLSTNCIEKIANLNLGLKNLRILSLGRNNIKNLNGLEAVGDTLEEL<br>WISYNFIEKLKGIHIMKKLKILYMSNNLVKDWAEFVKLAELPCLEDLVFVGNPLEEKHS<br>AENNWIEEATKRVPKLLKLDGTPVIKGDEEEDN                                                                                                                                                                                                                                                                                        |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                                                                                                                                       |

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| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                   |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                 |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                 |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                          |
| <b>Gene Name</b>        | DNAL1 dynein, axonemal, light chain 1 [ Homo sapiens ]                                                                                                                                                                                                   |
| <b>Official Symbol</b>  | DNAL1                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>         | axonemal; Axonemal dynein light chain 1; Axonemal dynein light chain; C14orf168; Chromosome 14 open reading frame 168; CILD16; DNAL 1; dnal1; DNAL1_HUMAN; Dynein axonemal light chain 1; Dynein light chain 1; Dynein light chain 1 axonemal; MGC12435; |
| <b>Gene ID</b>          | 83544                                                                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>      | NM_031427                                                                                                                                                                                                                                                |
| <b>Protein Refseq</b>   | NM_031427                                                                                                                                                                                                                                                |
| <b>MIM</b>              | 610062                                                                                                                                                                                                                                                   |
| <b>UniProt ID</b>       | Q4LDG9                                                                                                                                                                                                                                                   |