

Recombinant Full Length Human DNAL1 Protein, GST-tagged

Cat. No. DNAL1-4027HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DNAL1 full-length ORF (NP_113615.1, 1 a.a. - 151 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	151 amino acids
Description	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]
Molecular Mass	43.5 kDa
AA Sequence	MDASLSMLANCEKLSLSTNCIEKIANLNLGLKNLRILSLGRNNIKNLNGLEAVGDTLEEL WISYNFIEKLKGIHIMKKLKILYMSNNLVKDWAEFVKLAELPCLEDLVFVGNPLEEKHS AENNWIEEATKRVPKLLKLDGTPVIKGDEEEDN
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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	Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	DNAL1 dynein, axonemal, light chain 1 [Homo sapiens]
Official Symbol	DNAL1
Synonyms	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;
Gene ID	83544
mRNA Refseq	NM_031427
Protein Refseq	NM_031427
MIM	610062
UniProt ID	Q4LDG9

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