

Recombinant Human DNALI1, GST-tagged

Cat. No. DNALI1-12093H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Human DNALI1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

Species Human

Source E.coli

ProteinLength 1-258a.a.

Description 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.

Storage The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name DNALI1 dynein, axonemal, light intermediate chain 1 [Homo sapiens]

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Official Symbol	DNALI1
Synonyms	DNALI1; dynein, axonemal, light intermediate chain 1; dynein, axonemal, light intermediate polypeptide 1; axonemal dynein light intermediate polypeptide 1; dJ423B22.5; dJ423B22.5 (axonemal dynein light chain (hp28)); hp28; inner dynein arm; homolog of clamydomonas; P28; inner dynein arm light chain, axonemal; inner dynein arm, homolog of clamydomonas;
Gene ID	7802
mRNA Refseq	NM_003462
Protein Refseq	NP_003453
MIM	602135
UniProt ID	O14645
Chromosome Location	1p35.1
Pathway	Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem;
Function	microtubule motor activity;

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