

## Recombinant Human DNALI1, His-tagged

Cat. No. DNALI1-3797H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Axonemal dynein light intermediate polypeptide 1 (DNALI1)
<b>Species</b>	Human
<b>Source</b>	E.Coli/Yeast
<b>ProteinLength</b>	280
<b>Description</b>	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.
<b>Form</b>	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
<b>Purity</b>	>90%
<b>Notes</b>	Small volumes of DNALI1 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.
<b>Storage</b>	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.

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<b>Storage Buffer</b>	PBS pH 7.4, 50% glycerol
<b>Warning</b>	This product is for research use only. Not for use in diagnostic or therapeutic procedures.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	DNALI1 dynein, axonemal, light intermediate chain 1 [ Homo sapiens ]
<b>Official Symbol</b>	DNALI1
<b>Synonyms</b>	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;
<b>Gene ID</b>	7802
<b>mRNA Refseq</b>	NM_003462
<b>Protein Refseq</b>	NP_003453
<b>MIM</b>	602135
<b>UniProt ID</b>	O14645
<b>Chromosome Location</b>	1p35.1
<b>Pathway</b>	Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved

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biosystem;

**Function**

microtubule motor activity;

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