

Recombinant Human DNALI1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DNALI1-2163H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DNALI1 MS Standard C13 and N15-labeled recombinant protein (NP_003453) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	31.7 kDa
AA Sequence	MVTANKAHTGQGSCWVATLASAMIPPADSLLKYDTPVLVSRNTEKRSPKARLLKVS PQQPGPSGSAPQPPKTKLPSTPCVPDPTKQAEELNAILPPREWVEDTQLWIIQQVSS TPSTRMDVVHLQEQLDLKLQQRQARETGICPVRRELYSQCDELIREVTINCAERGL LLLRVRDEIRMTIAAYQTLYESSVAFGMRKALQAEQKSDMERKIAELETEKRDLER QVNEQKAKCEATEKRESERRQVEEKHNEEIQFLKRTNQQQLKAQLEGIIAPKKTRTR PLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

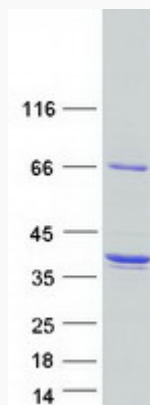
GENE INFORMATION

Gene Name	DNALI1 dynein axonemal light intermediate chain 1 [Homo sapiens (human)]
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

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SDS-PAGE

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