

Recombinant Human DNAH11 protein, His & T7-tagged

Cat. No. DNAH11-1636H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DNAH11 aa. (Pro17~Val299 (Accession # Q96DT5)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Pro17~Val299
Description	This gene encodes a ciliary outer dynein arm protein and is a member of the dynein heavy chain family. It is a microtubule-dependent motor ATPase and has been reported to be involved in the movement of respiratory cilia. Mutations in this gene have been implicated in causing Kartagener Syndrome (a combination of situs inversus totalis and Primary Ciliary Dyskinesia (PCD), also called Immotile Cilia Syndrome 1 (ICS1)) and male sterility.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 35.7kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	5.2

GENE INFORMATION

Gene Name	DNAH11 dynein axonemal heavy chain 11 [Homo sapiens (human)]
Official Symbol	DNAH11
Synonyms	DNAH11; dynein axonemal heavy chain 11; CILD7; DNHBL; DPL11; DNAHBL; DNAHC11; dynein heavy chain 11, axonemal; axonemal beta dynein heavy chain 11; axonemal dynein heavy chain 11; ciliary dynein heavy chain 11; dynein, axonemal, heavy polypeptide 11; dynein, ciliary, heavy chain 11
Gene ID	8701
mRNA Refseq	NM_001277115.1
Protein Refseq	NP_001264044.1

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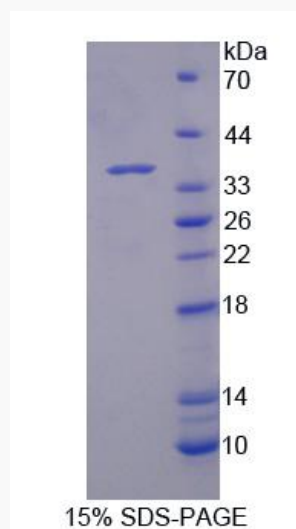
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UniProt ID

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SDS-PAGE

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