

# Recombinant Full Length Human DNAH6 Protein, GST-tagged

**Cat. No.** DNAH6-4048HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human DNAH6 full-length ORF (ADR83178.1, 1 a.a. - 408 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 408 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | This gene belongs to the dynein family, whose members encode large proteins that are constituents of the microtubule-associated motor protein complex. This complex is composed of dynein heavy, intermediate and light chains, which can be axonemal or cytoplasmic. This protein is an axonemal dynein heavy chain. It is involved in producing force for ciliary beating by using energy from ATP hydrolysis. Mutations in this gene may cause primary ciliary dyskinesia (PCD) as well as heterotaxy. [provided by RefSeq, Jun 2016] |
| <b>Molecular Mass</b>   | 44.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | MTYTEQASKRHYCMRLTCFIRLNDYLIENTMHILTVNAVNSLLNHLTDKLRTPSADVI<br>QKWITEEKPEVPDCKGTLMEKQEEDESLIPMFLTEMLTVQSLLFEPSLEDFLDGIL<br>GAVNHCQNTVLSVPLVPDSYFDAFTSPYINNKGKTCGTGPSLAAVFEDDKNFHT<br>IISQIKETIQAAFESARIYAATFEKFQIFFKENESLDLQALKLQEPDINFFSEQLEKYHKQ<br>HKDAVALRPTRNVGLLLIDTRLLREKLIPSPLRCLEVLNFMPLPRQSKKKVDAIIFEAQD<br>AEYKLEFVPTTTTEYVHSLFLDEIQERIESLEDEGNIVTQMYKLMEQYQVPTPPEDF                                                                                                                                                           |

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AVFATMKPSIVAVRNAIDKSVGDRESSIKQFCVHLGSDLEELNNEVNEVKLQAQVS

#### Applications

Enzyme-linked Immunoabsorbent Assay  
Western Blot (Recombinant protein)  
Antibody Production  
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

DNAH6 dynein, axonemal, heavy chain 6 [ Homo sapiens ]

#### Official Symbol

DNAH6

#### Synonyms

DNAH6; dynein axonemal heavy chain 6; Dynein Axonemal Heavy Chain 6; Dynein, Axonemal, Heavy Polypeptide 6; Axonemal Beta Dynein Heavy Chain 6; Ciliary Dynein Heavy Chain 6; Dynein Heavy Chain-Like 1; Dnahc6; DNHL1; HL2; Dynein Heavy Chain 6, Axonemal; KIAA1697; HL-2

#### Gene ID

1768

#### mRNA Refseq

NM\_001370

#### Protein Refseq

NP\_001361

#### MIM

603336

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UniProt ID

Q9C0G6

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