

Recombinant Full Length Human DNAI2 Protein, GST-tagged

Cat. No. DNAI2-4051HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DNAI2 full-length ORF (AAH39582, 1 a.a. - 593 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	593 amino acids
Description	The protein encoded by this gene belongs to the dynein intermediate chain family, and is part of the dynein complex of respiratory cilia and sperm flagella. Mutations in this gene are associated with primary ciliary dyskinesia type 9. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Mar 2010]
Molecular Mass	90.97 kDa
AA Sequence	MEIVYVYVKKRSEFGKQCNFSDRQAE LNIDIMPNPELAEQFVERN PVDTGIQCSISM SEHEANSERFEMETR GVN HVEGGWPKDVNPLELEQTIRFRKKVEKDENYVNAIMQL GSIMEHC IKQNN AIDIYEEYFNDEEAMEVMEEDPSAKTINVFRDPQEIKRAATHLSWH PDGNRKLAVAYSCLDFQRAPVGMSSDSYIWDLENPNKPELALKPSSPLVTLEFNPK DSHVLLGGCYNGQIACWDTRK GSLVAELSTIESSHRDPVYGTIWLQSKTGTECF SAS TDGQVMWWDIRKMSEPT EVVILDITKKEQLENALGAISLEFESTLPTKFMVGTEQGIV ISCNRKAKTSAEKIVCTFP GHHGPIYALQRNPFY PKNFLT VGDWTARIWSEDSRESSI MWTKYHMAYLTDAAWSPVRPTVF FTTRMDGTLDIWDFMFEQCDPTLSLKDNGLCIA

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CGSQLGTTTLLEVSPGLSTLQRNEKNVASSMFERETRREKILEARHREMRLKEKGK
 AEGRDEEQTDEELAVDLEALVSKAEFFDIIFTELKKKEADAIAKLTPVPQQPSPEED
 QVVEEGEEAAGEEGDEEVEEDLA

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

[DNAI2 dynein, axonemal, intermediate chain 2 \[Homo sapiens \]](#)

Official Symbol

[DNAI2](#)

Synonyms

DNAI2; dynein, axonemal, intermediate chain 2; dynein, axonemal, intermediate polypeptide 2; dynein intermediate chain 2, axonemal; CILD9; dynein intermediate chain 2;

Gene ID

[64446](#)

mRNA Refseq

[NM_001172810](#)

Protein Refseq

[NP_001166281](#)

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MIM	605483
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UniProt ID	Q9GZS0
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