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	MEIVYVYVKKRSEFGKQCNFSDRQAELNIDIMPNPELAEQFVERNPVDTGIQCSISM SEHEANSERFEMETRGVNHVEGGWPKDVNPLELEQTIRFRKKVEKDENYVNAIMQL GSIMEHCIKQNNAIDIYEEYFNDEEAMEVMEEDPSAKTINVFRDPQEIKRAATHLSWH PDGNRKLAVAYSCLDFQRAPVGMSSDSYIWDLENPNKPELALKPSSPLVTLEFNPK DSHVLLGGCYNGQIACWDTRKGSLVAELSTIESSHRDPVYGTIWLQSKTGTECFSAS TDGQVMWWDIRKMSEPTEVVILDITKKEQLENALGAISLEFESTLPTKFMVGTEQGIV ISCNRKAKTSAEKIVCTFPGHHGPIYALQRNPFYPKNFLTVGDWTARIWSEDSRESSI MWTKYHMAYLTDAAWSPVRPTVFFTTRMDGTLDIWDFMFEQCDPTLSLKDNGCLIA

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	CGSQLGTTTLLEVSPGLSTLQRNEKNVASSMFERETRREKILEARHREMRLKEKGK AEGRDEEQTDEELAVDLEALVSKAEEEFFDIIFTELKKKEADAIKLTPVPQQPSPEED 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
UniProt ID	Q9GZS0

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