

Full-Length

DNAI1 (Human) Recombinant Protein (P01)

Catalog # H00027019-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human DNAI1 full-length ORF (AAH30583, 1 a.a. - 699 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MIPASAKSPHKQPHKQSIIGRGTRKRDEDSGTEVGEGETDEWAQSKATVRPPDQLELTDALKE
EFTRILTANNPHAPQNVRYSFKEGTYKPIGFVNQLAVHYTQVGNLIPKDSDEGRRQHYRDELVAGS
QESVKVISETGNEEDEEPKELETEPGSQTDVPAAGAAEKVTEELMTPKQPKERKLTNQFNFS
ERASQTCNNPVRDRECQTEPPPTNFSATANQWEYDAYVEELEKQEKKEKEKAKTPVAKKSG
KMAMRKLTSMESQTDDLKLSQAAKIMERMVNQNTYDDIAQDFKYDDAADEYRDQVGTLLPLWK
FQNDKAKRLSVTALCWNPKYRDLFAVGYSYDFMKQSRGMLLLYSLKNPSFPEYMFSSNSGVM
CLDIHVDHPYLVAVGHYDGNVAIYNLKKPHSQPSFCSSAKSGKHSDPVWQVKWQKDDMDQNLN
FFSVSSDGRMSWTLVKRKLVDIVIKLVEGSTTEVPEGLQLHQVGCCTAFDFHKEIDYMFVLT
EEGKIYKCSKSYSSQFLDTYDAHNMSVDTVSWNPYHTKVFMSCSSDWTVKIWDHTIKTPMFIYDL
NSAVGDVAWAPYSSTVFAAVTTDGAHIFDLAINKYEAICNQPVAAKKNRLTHVQFNLIHPHIVGDD
RGHIISLKLSPNLRKMPKEKKGQEVQKGPAVEIAKLDKLLNLVREVKIKT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

102.63

Interspecies Antigen Sequence

Mouse (87); Rat (85)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — DNAI1

Entrez GeneID	27019
GeneBank Accession#	BC030583
Protein Accession#	AAH30583
Gene Name	DNAI1
Gene Alias	CILD1, ICS, ICS1, MGC26204, PCD
Gene Description	dynein, axonemal, intermediate chain 1
Omim ID	242650 244400 604366
Gene Ontology	Hyperlink
Gene Summary	The inner- and outer-arm dyneins, which bridge between the doublet microtubules in axonemes, are the force-generating proteins responsible for the sliding movement in axonemes. The intermediate and light chains, thought to form the base of the dynein arm, help mediate attachment and may also participate in regulating dynein activity. This gene encodes an intermediate chain dynein, belonging to the large family of motor proteins. Mutations in this gene result in abnormal ciliary ultrastructure and function associated with primary ciliary dyskinesia (PCD) and Kartagener syndrome. [provided by RefSeq]

Other Designations

OTTHUMP00000021280|dynein intermediate chain DNAI1|dynein, axonemal, intermediate polypeptide 1|immotile cilia syndrome 1

Disease

- [Asthenozoospermia](#)
- [Tobacco Use Disorder](#)