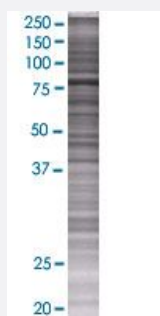


DNAI1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00027019-T01

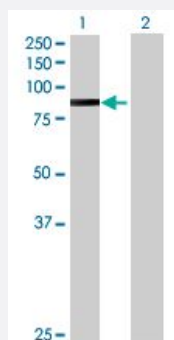
Size 100 uL

Applications



SDS-PAGE Gel

DNAI1 transfected lysate.



Western Blot

Lane 1: DNAI1 transfected lysate (77 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-DNAI1 full-length
Host	Human
Theoretical MW (kDa)	77
Interspecies Antigen Sequence	Mouse (87); Rat (85)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-DNAI1 antibody ([H00027019-B01](#)) by Western Blots.
SDS-PAGE Gel
DNAI1 transfected lysate.
Western Blot
Lane 1: DNAI1 transfected lysate (77 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — DNAI1

Entrez GeneID[27019](#)**GeneBank Accession#**[NM_012144.2](#)**Protein Accession#**[NP_036276.1](#)**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](#)