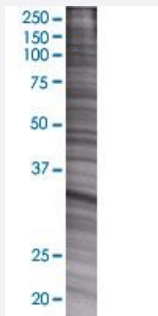


IYD 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00389434-T01

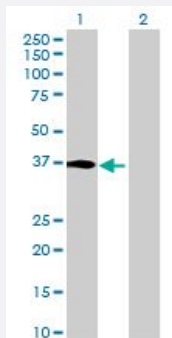
Size 100 uL

Applications



SDS-PAGE Gel

IYD transfected lysate.



Western Blot

Lane 1: IYD transfected lysate (33.4 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-IYD full-length
Host	Human
Theoretical MW (kDa)	33.4
Interspecies Antigen Sequence	Mouse (85); Rat (84)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-IYD antibody ([H00389434-B01](#)) by Western Blots.
SDS-PAGE Gel
IYD transfected lysate.
Western Blot
Lane 1: IYD transfected lysate (33.4 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 — IYD

Entrez GeneID

[389434](#)

GeneBank Accession#

[NM_203395](#)

Protein Accession#

[NP_981932](#)

Gene Name

IYD

Gene Alias

C6orf71, DEHAL1, dJ422F24.1

Gene Description

iodotyrosine deiodinase

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes an enzyme that catalyzes the oxidative NADPH-dependent deiodination of mono- and diiodotyrosine, which are the halogenated byproducts of thyroid hormone production. The N-terminus of the protein functions as a membrane anchor. Mutations in this gene cause congenital hypothyroidism due to dysmorphogenesis type 4, which is also referred to as deiodinase deficiency, or iodotyrosine dehalogenase deficiency, or thyroid morphogenesis type 4. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

Other Designations

iodotyrosine dehalogenase 1