

Recombinant Human IYD cell lysate

Cat. No. IYD-885HCL **Lot. No.** (See product label)

SPECIFICATION

Species

Human

Description

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 hormonogenesis type 4. Alternative splicing results in multiple transcript variants.

Size

100 ul

Storage Buffer

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

Applications

Western Blot;

GENE INFORMATION

Gene Name

IYD iodotyrosine deiodinase [Homo sapiens]

Official Symbol

IYD

Synonyms

TDH4; DEHAL1; C6orf71; dJ422F24.1; iodotyrosine dehalogenase 1; IYD-1

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Gene ID	389434
mRNA Refseq	NM_001164694
Protein Refseq	NP_001158166
MIM	612025
UniProt ID	Q6PHW0
Chromosome Location	6q25.1
Pathway	Amine-derived hormones, organism-specific biosystem; Metabolism, organism-specific biosystem; Thyroxine biosynthesis, organism-specific biosystem
Function	iodide peroxidase activity; oxidoreductase activity

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