



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

IYD (Human) Recombinant Protein (P01)

Catalog Number: H00389434-P01

Regulation Status: For research use only (RUO)

Product Description: Human IYD full-length ORF (NP_981932.1, 1 a.a. - 289 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

```
MYFLTPILVAILCILVVWIFKNADRSMEKKKGEPRTRAE  
ARPWVDEDLKDSSDLHQAEEADADEWQESEENVEHIP  
FSHNHYPEKEMVKRSQEFYELLNKRRSVRFISNEQVP  
MEVIDNVIRTAGTAPSGAHTPEWTFVVVKDPDVKHKIR  
KIIEEEEINYMKRMGHRWVTDLKKLRTNWIKEYLDTA  
PILILIFKQVHGFAANGKKKVHYNEISVSIACGILLAALQ  
NAGLVTVTTTPLNCGPRLRVLLGRPAHEKLLMLLPVGY  
PSKEATVPDLKRKPLDQIMVTV
```

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 59.8

Interspecies Antigen Sequence: Mouse (85); Rat (84)

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 389434

Gene Symbol: IYD

Gene Alias: C6orf71, DEHAL1, dJ422F24.1

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]