



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### HADHB (Human) Recombinant Protein (P01)

**Catalog Number:** H00003032-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human HADHB full-length ORF ( NP\_000174.1, 1 a.a. - 474 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MTILTYPFKNLPTASKWALRFSIRPLSCSSQLRAAPAV  
QTKTKKTLAKPNIRNVVVVDGVRTPFLLSGTSYKDLMP  
HDLARAALTGLLHRTSVPKEVVVDYIIFGTVIQEVKTSNV  
AREAALGAGFSDKTPAHTVTMACISANQAMTTGVGLIA  
SGQCDVIVAGGVELMSDVPPIRHSRKMRLMLDLNKA  
SMGQRSLISKFRFNFLAPELPAVSEFSTSETMGHSAD  
RLAAAFVSRLEQDEYALRSHSLAKKAQDEGLLSDVV  
PFKVP GKDTVTKDNGIRPSSLEQMAKLKPAFIKPYGTV  
TAANSSFLT DGASAMLIMAE EKALAMGYKPKAYLRDF  
MYVSQDPKQ LLLGPTYATPKVLEKAGLTMNDIDAFEF  
HEAFSGQILANFKAMDSDWFAENYMGRKTKVGLPPLE  
KFNNWGGSLSLGHPFGATGCRLVMAAANRLRKEGGQ  
YGLVAACAAGGQGHAMIVEAYPK

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 77.7

**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:** 3032

**Gene Symbol:** HADHB

**Gene Alias:** ECHB, MGC87480, MSTP029, TP-BETA

**Gene Summary:** This gene encodes the beta subunit of the mitochondrial trifunctional protein, which catalyzes the last three steps of mitochondrial beta-oxidation of long chain fatty acids. The mitochondrial membrane-bound heterocomplex is composed of four alpha and four beta subunits, with the beta subunit catalyzing the 3-ketoacyl-CoA thiolase activity. Mutations in this gene result in trifunctional protein deficiency. The encoded protein can also bind RNA and decreases the stability of some mRNAs. The genes of the alpha and beta subunits of the mitochondrial trifunctional protein are located adjacent to each other in the human genome in a head-to-head orientation. Alternatively spliced transcript variants have been found; however, their full-length nature is not known. [provided by RefSeq]