



# 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

### IDH2 (Human) Recombinant Protein (P01)

**Catalog Number:** H00003418-P01

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

**Product Description:** Human IDH2 full-length ORF ( NP\_002159.2, 1 a.a. - 452 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MAGYLRVVRSLCRASGSRPAWAPAALTAPTSQEQPR  
RHYADKRIKVAKPVVEMDGDDEMTRIIEWQFIKEKLILPHV  
DIQLKYFDLGLPNRDQTDQVITDSALATQKYSVAVKC  
ATITPDEARVEEFKLLKMWKSPNGTIRNILGGTVFREPI  
ICKNIPRLVPGWTKPITIGRHAHGQYKATDFVADRAG  
TFKMVFTPKDGSVKEWEVYNFPAGGVGMGMYNNTD  
ESISGFAHSCFQYAIQKKWPLYMSTKNTILKAYDGRFK  
DIFQEIFDKHYKTDFDKNIWYEHRLIDDMVAQVLKSS  
GGFVWACKNYDGDVQSDILAQGGFSLGLMTSVLVCP  
DGKTIEAEEAHGTVTRHYREHQKGRPTSTNPIASIFAW  
TRGLEHRGKLDGNQDLIRFAQMLEKVCVETVESGAMT  
KDLAGCIHGLSNVKLNEHFLNTTDFLDTIKSNLDRALG  
RQ

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

**Theoretical MW (kDa):** 77.3

**Interspecies Antigen Sequence:** Mouse (95); Rat (95)

**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:** 3418

**Gene Symbol:** IDH2

**Gene Alias:** ICD-M, IDH, IDHM, IDP, IDPM, mNADP-IDH

**Gene Summary:** Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. These enzymes belong to two distinct subclasses, one of which utilizes NAD(+) as the electron acceptor and the other NADP(+). Five isocitrate dehydrogenases have been reported: three NAD(+)-dependent isocitrate dehydrogenases, which localize to the mitochondrial matrix, and two NADP(+)-dependent isocitrate dehydrogenases, one of which is mitochondrial and the other predominantly cytosolic. Each NADP(+)-dependent isozyme is a homodimer. The protein encoded by this gene is the NADP(+)-dependent isocitrate dehydrogenase found in the mitochondria. It plays a role in intermediary metabolism and energy production. This protein may tightly associate or interact with the pyruvate dehydrogenase complex. [provided by RefSeq]