



# 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

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## Datasheet

### PITX2 (Human) Recombinant Protein (P01)

**Catalog Number:** H00005308-P01

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

**Product Description:** Human PITX2 full-length ORF (AAH13998, 1 a.a. - 324 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MNCMKGPLHLEHRAAGTKLSAVSSSSCHHPQPLAMA  
SVLAPGQPRSLDSSKHRLEVHTISDTSSPEAAEKDKS  
QQGKNEDVGAEDPSKKKRQRQRTHFTSQQLQELEA  
TFQRNRYPDMSTREEIAVWTNLTEARVRVWFKNRRA  
KWRKRERNQQAELCKNGFGPQFNGLMQPYDDMYPG  
YSYNNWAAKGLTSASLSTKSFPPFNMSMNVNPLSSQSM  
FSPNSISSMSMSSSMVPSAVTGVPGSSLNSLNLNN  
LSSPSLNSAVPTPACYPAPTPPYVYRDTCNSSLASLR  
LKAKQHSSFGYASVQNPASNLSACQYAVDRPV

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

**Theoretical MW (kDa):** 61.38

**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:** 5308

**Gene Symbol:** PITX2

**Gene Alias:** ARP1, Brx1, IDG2, IGDS, IGDS2, IHG2,

IRID2, MGC111022, MGC20144, Otlx2, PTX2, RGS, RIEG, RIEG1, RS

**Gene Summary:** This gene encodes a member of the RIEG/PITX homeobox family, which is in the bicoid class of homeodomain proteins. The encoded protein acts as a transcription factor and regulates procollagen lysyl hydroxylase gene expression. This protein plays a role in the terminal differentiation of somatotroph and lactotroph cell phenotypes, is involved in the development of the eye, tooth and abdominal organs, and acts as a transcriptional regulator involved in basal and hormone-regulated activity of prolactin. Mutations in this gene are associated with Axenfeld-Rieger syndrome, iridogoniodysgenesis syndrome, and sporadic cases of Peters anomaly. A similar protein in other vertebrates is involved in the determination of left-right asymmetry during development. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq]