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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

PDX1 (Human) Recombinant Protein (P01)

Catalog Number: H00003651-P01

Regulation Status: For research use only (RUO)

Product Description: Human PDX1 full-length ORF (AAI11593.1, 1 a.a. - 283 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MNGEEQYYAATQLYKDPCAFQRGPAPEFSASPPACL
YMGRQPPPPPPHPFPGALGALEQGSPDISPYEVPPL
ADDDPAVAHLHHHLPAQLALPHPPAGPFPEGAEPGVLE
EPNRVQLPFPWMKSTKAHAWKGQWAGGAYAAEPEE
NKRTRTAYTRAQLLELEKEFLFNKYISRPRRVELAVML
NLTERHIKIWFQNRMMKWKKEEDKKRGGGTAVGGGG
VAEPEQDCAVTSGEELLALPPPPPPGGAVPPAAPVAA
REGRLPPGLSASPQPSSVAPRRPQEPR

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 58.08

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: 3651

Gene Symbol: PDX1

Gene Alias: GSF, IDX-1, IPF1, IUF1, MODY4, PDX-1, STF-1

Gene Summary: The protein encoded by this gene is a transcriptional activator of several genes, including insulin, somatostatin, glucokinase, islet amyloid polypeptide, and glucose transporter type 2. The encoded nuclear protein is involved in the early development of the pancreas and plays a major role in glucose-dependent regulation of insulin gene expression. Defects in this gene are a cause of pancreatic agenesis, which can lead to early-onset insulin-dependent diabetes mellitus (NIDDM), as well as maturity onset diabetes of the young type 4 (MODY4). [provided by RefSeq]