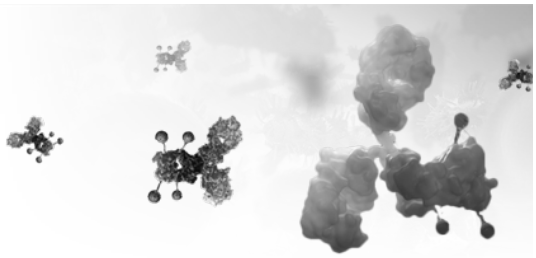

# Human PDX1 blocking peptide (CDBP1610)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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|---|---|
| **Product Overview** | Blocking/Immunizing peptide for anti-IPF1/PDX1 antibody |
| **Antigen Description** | 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, Jul 2008] |
| **Species** | Human |
| **Conjugate** | Unconjugated |
| **Applications** | Apuri, BL, ELISA |
| **Format** | Lyophilized powder |
| **Size** | 100 µg |
| **Preservative** | None |
| **Storage** | Shipped at ambient temperature, store at -20°C. |

## GENE INFORMATION

| | |
|---|---|
| **Gene Name** | PDX1 pancreatic and duodenal homeobox 1 [ Homo sapiens ] |
| **Official Symbol** | PDX1 |
| **Synonyms** | PDX1; pancreatic and duodenal homeobox 1; insulin promoter factor 1, homeodomain |

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|---|---|
| | transcription factor , IPF1; pancreas/duodenum homeobox protein 1; IDX 1; MODY4; PDX 1; somatostatin transcription factor 1; STF 1; IPF-1; IUF-1; glucose-sensitive factor; insulin upstream factor 1; islet/duodenum homeobox-1; pancreatic-duodenal homeobox factor 1; somatostatin-transactivating factor 1; insulin promoter factor 1, homeodomain transcription factor; GSF; IPF1; IUF1; IDX-1; PDX-1; STF-1; |
| **Entrez Gene ID** | 3651 |
| **mRNA Refseq** | NM_000209 |
| **Protein Refseq** | NP_000200 |
| **UniProt ID** | P52945 |
| **Chromosome Location** | 13q12.1 |
| **Pathway** | Developmental Biology, organism-specific biosystem; FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem; Maturity onset diabetes of the young, organism-specific biosystem; Maturity onset diabetes of the young, conserved biosystem; Regulation of beta-cell development, organism-specific biosystem; Regulation of gene expression in beta cells, organism-specific biosystem; Regulation of gene expression in early pancreatic precursor cells, organism-specific biosystem; |
| **Function** | chromatin binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; |

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