

## Recombinant Human PITX1

Cat. No. PITX1-28302TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human PITX1 with N terminal proprietary tag; Predicted MW 60.61kDa.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	314 amino acids
<b>Description</b>	This gene encodes a member of the RIEG/PITX homeobox family, which is in the bicoid class of homeodomain proteins. Members of this family are involved in organ development and left-right asymmetry. This protein acts as a transcriptional regulator involved in basal and hormone-regulated activity of prolactin.
<b>Molecular Weight</b>	60.610kDa inclusive of tags
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Sequences of amino acids**

MDAFKGGMSLERLPEGLRPPPPPHDMGPAFHLARPADPR EPLENSASESSDTEL  
 PEKERGGEPKGPEDSGAGGTGCGGA DDPAKKKKQRRQRTHFTSQQLQELEATFQ  
 RNRYPDMSMRE EIAVWTNLTEPRVVRVWFKNRRRAKWRKRERNQQLDLCKGGY VP  
 QFSGLVQPYEDVYAAGYSYNNWAAKSLAPAPLSTKSFT FFNSMSPLSSQSMFSAP  
 SSISSMTMPSSMGP GAVPGMPNS GLNNINNLTGSSLNSAMSPGACPYGTPASPYS  
 VYRDTCNS SLASRLKSKQHSSFGYGALQGPASGLNACQYNS

**Sequence Similarities** Belongs to the paired homeobox family. Bicoid subfamily. Contains 1 homeobox DNA-binding domain.

## GENE INFORMATION

**Gene Name** [PITX1 paired-like homeodomain 1 \[ Homo sapiens \]](#)

**Official Symbol** [PITX1](#)

**Synonyms** PITX1; paired-like homeodomain 1; BFT, paired like homeodomain transcription factor 1; pituitary homeobox 1; POTX; PTX1;

**Gene ID** [5307](#)

**mRNA Refseq** [NM\\_002653](#)

**Protein Refseq** [NP\\_002644](#)

**MIM** [602149](#)

**Uniprot ID** [P78337](#)

**Chromosome Location** 5q31.1

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



**Function**

protein binding transcription factor activity; sequence-specific DNA binding;  
sequence-specific DNA binding transcription factor activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA