

Recombinant Human PITX1

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

SPECIFICATION

Product Overview	Recombinant full length Human PITX1 with N terminal proprietary tag; Predicted MW 60.61kDa.
Species	Human
Source	Wheat Germ
ProteinLength	314 amino acids
Description	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.
Molecular Weight	60.610kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

MDAFKGGMSLERLPEGLRPPPPPPHDMGPAFHLARPADPR EPLENSASESSDTEL
PEKERGGEPKGPEDSGAGGTGCGGA DDPAKKKKQRRQRTHFTSQQLQELEATFQ
RNRYPDMSMRE EIAVWTNLTEPRVRVWFKNRRRAKWRKRERNQQLDLCKGGY 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

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Function

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

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