

Recombinant Human PITX1

Cat. No. PITX1-29536TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human PITX1 with an N terminal proprietary tag; Predicted MW 35.42kDa.
Species	Human
Source	Wheat Germ
ProteinLength	89 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	35.420kDa 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	MPSSMGP GAVPGMPNSGLNNINNLTGSSLNSAMSPGACPYGTPASPYSVYRDTCN SSLASLRLKSKQHSSFGYGALQGPASGLNACQYN
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Sequence Similarities	Belongs to the paired homeobox family. Bicoid subfamily. Contains 1 homeobox DNA-binding domain.
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GENE INFORMATION

Gene Name	PITX1 paired-like homeodomain 1 [Homo sapiens]
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Official Symbol	PITX1
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Synonyms	PITX1; paired-like homeodomain 1; BFT, paired like homeodomain transcription factor 1; pituitary homeobox 1; POTX; PTX1;
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Gene ID	5307
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mRNA Refseq	NM_002653
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Protein Refseq	NP_002644
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MIM	602149
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Uniprot ID	P78337
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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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