

# Recombinant Human paired related homeobox 1, His-tagged

Cat. No. PRRX1-285H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	PRRX1, 1-217aa, Human, His tag, E.coli
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-217 a.a.
<b>Description</b>	Paired related homeobox 1, also known as PRRX1, acts as a transcriptional regulator of muscle creatine kinase (MCK) and so has a role in the establishment of diverse mesodermal muscle types. The protein binds to an A/T-rich element in the muscle creatine enhancer. Recombinant human PRRX1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT
<b>Molecular Mass</b>	26.9 kDa (241aa) confirmed by MALDI-TOF(Molecular size on SDS-PAGE will appear higher)
<b>AA Sequence</b>	MGSSHHHHHH SGLVPRGSH MGSHTSSYG HVLERQPALG GRDSPGNLD TLQAKKNFSV SHLLDLEEAG DMVAAQADEN VGEAGRSLLS SPGLTSGSDT PQQDNDQLNS EEKKRKQRR NRTTFNSSL QALERV FERT HYPDAFVRED LARRVNLTEA RVQVWFQNR AKFRRNERAM LANKNASLLK SYSGDVTAVE

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QPIVPRPAPR PTDYLSWGTA SPYRSSSLPR CCLHEGLHNG F

**Purity** >85% by SDS - PAGE

**Storage** Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

**Concentration** 0.25mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** [PRRX1 paired related homeobox 1 \[ Homo sapiens \]](#)

**Official Symbol** PRRX1

**Synonyms** PRRX1; paired related homeobox 1; paired mesoderm homeo box 1 , PMX1; paired mesoderm homeobox protein 1; PHOX1; PRX-1; homeobox protein PHOX1; paired mesoderm homeo box 1; paired-related homeobox protein 1; paired mesoderm homeobox 1 isoform pmx-1b; PMX1; PRX1; AGOTC;

**Gene ID** [5396](#)

**mRNA Refseq** [NM\\_006902](#)

**Protein Refseq** [NP\\_008833](#)


**MIM** [167420](#)

**UniProt ID** [P54821](#)

**Chromosome Location** 1q24.3

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**Function**

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

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