

Recombinant Human paired related homeobox 1, His-tagged

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

SPECIFICATION

Product Overview	PRRX1, 1-217aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-217 a.a.
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT
Molecular Mass	26.9 kDa (241aa) confirmed by MALDI-TOF(Molecular size on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHH SSGLVPRGSH MGSHMTSSYG HVLERQPALG GRDSPGNLD TLQAKKNFSV SHLLDLEEAG DMVAAQADEN VGEAGRSLL SPGLTSGSDT PQQDNDQLNS EEKKRKQRR NRTTFNSSL QALERVFERT 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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