

Recombinant Human PRRX1

Cat. No. PRRX1-31000TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PRRX1, isoform PMX1-A with N terminal proprietary tag; Predicted MWt 49.94 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	217 amino acids
Description	The DNA-associated protein encoded by this gene is a member of the paired family of homeobox proteins localized to the nucleus. The protein functions as a transcription co-activator, enhancing the DNA-binding activity of serum response factor, a protein required for the induction of genes by growth and differentiation factors. The protein regulates muscle creatine kinase, indicating a role in the establishment of diverse mesodermal muscle types. Alternative splicing yields two isoforms that differ in abundance and expression patterns.
Molecular Weight	49.940kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MTSSYGHVLERQPALGGRLDSPGNLDTLQAKKNFSVSHLL DLEEAGDMVAAQADE NVGEAGRSLLESPGLTSGSDTPQQD NDQLNSEEEKKKRKQRRNRTTFNSSLQALE RVFERTHYPD AFVREDLARRVNLTEARVQVWFQNRRAKFRNRERAMLANK NASL LKSYSGDVTAVEQPIVPRPAPRPTDYLSWGTASPYR SSSLPRCCLHEGLHNGF
Sequence Similarities	Belongs to the paired homeobox family.Contains 1 homeobox DNA-binding domain.

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;
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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