

## Product datasheet for **TP310393M**

### PRRX1 (NM\_022716) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human paired related homeobox 1 (PRRX1), transcript variant pmx-1b, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210393 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MTSSYGHVLERQPALGGRLDSPGNLDTLQAKKNFSVSHLLDLEEAGDMVAAQADENVGEAGRSLLLESPGL  
TSGSDTPQQDNDQLNSEKKKRKQRRNRRTTFNSSLQALERVFERHYPDAFVREDLARRVNLTEARVQV  
WFQNRRAKFRNRERAMLANKNASLLKSYSGDVTAVEQPIVPRPAPRPTDYLSWGTASPYSAMATYSATCA  
NNSPAQGINMANSIANLRLKAKEYSLQRNQVPTVN

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	27.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_073207</a></u>
Locus ID:	5396



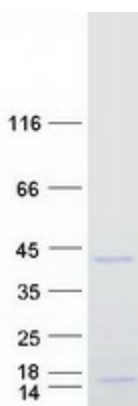
[View online »](#)

UniProt ID: [P54821](#)  
RefSeq Size: 3999  
Cytogenetics: 1q24.2  
RefSeq ORF: 735  
Synonyms: AGOTC; PHOX1; PMX1; PRX-1; PRX1

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Transcription Factors

### Product images:



Coomassie blue staining of purified PRRX1 protein (Cat# [TP310393]). The protein was produced from HEK293T cells transfected with PRRX1 cDNA clone (Cat# [RC210393]) using MegaTran 2.0 (Cat# [TT210002]).