

## 32-4504: Recombinant Human Paired Related Homeobox 1

**Alternative Name :** AGOTC,PHOX1,PMX1,PRX-1,PRX1,Paired mesoderm homeobox protein 1,Homeobox protein PHOX1,Paired-related homeobox protein 1,PRRX1.

### Description

Source : Escherichia Coli. PRRX1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 241 amino acids (1-217 a.a) and having a molecular mass of 26.9kDa.PRRX1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. PRRX1 is part of the paired family of homeobox proteins. PRRX1 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. PRRX1 also regulates muscle creatine kinase, and therefore has a part in the establishment of diverse mesodermal muscle types. The protein binds to an A/T-rich element in the muscle creatine enhancer. Among the diseases associated with PRRX1 are agnathia-otocephaly complex, and pleomorphic liposarcoma.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 85.0% as determined by SDS-PAGE.  
**Content :** PRRX1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 50% glycerol and 2mM DTT.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSHTSSYG HVLERQPALG GRDSPGNLD TLQAKKNFSV  
SHLLDLEEAG DMVAAQADEN VGEAGRSLLE SPGLTSGSDT PQQDNDQLNS EEKRRKQRR  
NRTTFNSSL QALERVFERT HYPDAFVRED LARRVNLTEA RVQVWFQNR AKFRRNERAM LANKNASLLK  
SYSGDVTAVE QPIVPRPAPR PTDYLSWGTA SPYRSSLPR CCLHEGLHNG F