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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 MGSHMTSSYG HVLERQPALG GRLDSPGNLD TLQAKKNFSV SHLLDLEEAG DMVAAQADEN VGEAGRSLLE SPGLTSGSDT PQQDNDQLNS EEKKKRKQRR NRTTFNSSQL QALERVFERT HYPDAFVRED LARRVNLTEA RVQVWFQNRR AKFRRNERAM LANKNASLLK SYSGDVTAVE QPIVPRPAPR PTDYLSWGTA SPYRSSSLPR CCLHEGLHNG F

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