9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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PRRX1 Human

Paired Related Homeobox 1 Human Recombinant
RCP1727

Product Overview

Name	PRRX1 Human
Description	
Paired Related Homeobox 1 Human Recombinant	
Accession (Primary)	P54821
Synonyms	
AGOTC, PHOX1, PMX1, PRX-1, PRX1, Paired mesoderm homeobox protein 1, Homeobox protein PHOX1, Paired-related homeobox protein 1, PRRX1.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
PRRX1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 50% glycerol and 2mM DTT.	
Stability	
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.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSH MTSSYG HVLERQPALG GRLDSPGNLD TLQAKKNFSV SHLLDLEEAG DMVAAQADEN VGEAGRSLLE SPGLTSGSDT PQQDNDQLNS EEKKKRKQRR NRTTFNSSQL QALERVFERT	

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HYPDAFVRED LARRVNLTEA RVQVWFQNRR AKFRRNERAM LANKNASLLK SYSGDVTAVE QPIVPRPAPR PTDYLSWGTA SPYRSSSLPR CCLHEGLHNG F

Precautions

PRRX1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P54821)