
Product Data Sheet

Product Name: PRRX1 Human
 Cat. No.: GP24234
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	AGOTC; PHOX1; PMX1; PRX-1; PRX1; Paired mesoderm homeoboxprotein 1; Homeobox protein PHOX1; Paired-related homeobox protein 1; PRRX1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMTSSYG HVLERQPALG GRDPSGNLD TLQAKKNFSV SHLLDLEEAGDMVAAQADEN VGEAGRSLE SPGLTSGSDT PQQDNDQLNS EEKKRKQRR NRTTFNSSQL QALERVFERT HYPDAFVREDLARRVNLTEA RVQVWFQNR AKFRRNERAM LANKNASLLK SYSGDVTAVE QPIVPRPAPR PTDYLSWGTA SPYRSSSLPRCCLHEGLHNG F		
Formulation	PRRX1 protein solution (0.25mg/ml) containing 20mMTris-HCl buffer (pH 8.0), 0.2M NaCl, 50% glycerol and 2mM DTT.		

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.

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.

Background

PRRX1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

Caution: Product has not been fully validated for medical applications. For research use only.

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chain containing 241 amino acids (1-217 a.a) and having a molecular mass of 26.9kDa.

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