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## Product Data Sheet

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Product Name: PNC2 Human  
 Cat. No.: GP24202  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Proline-rich nuclear receptor coactivator 2; PNC2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMGGGERY NIPAPQSRNV SKNQQQLNRQ KTKEQNSQMK IVHKKKERGH GYNSSAAAWQ AMQNGGKKNK FPNNQSWNSS LSGPRLLFKS QANQNYAGAK FSEPPSPSVL PKPPSHWVPV SFNPSDKEIM TFQLKTLLKV QV.		
Formulation	The PNC2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.		

### Introduction

Proline-Rich Nuclear Receptor Coactivator 2 (PNC2) takes part in controlling the energy balance between energy storage and energy expenditure. PNC2 is involved in nonsense-mediated mRNA decay (NMD) by operating as a bridge between the mRNA decapping complex and the NMD machinery. PNC2 is needed for UPF1/RENT1 localization to the P-body and also plays a role as a nuclear receptor coactivator.

### 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

PNC2 Human Recombinant produced in E. coli is a single polypeptide chain containing 162 amino acids (1-139) and having a molecular mass of 18kDa. PNC2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

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