

# Product datasheet for AR51009PU-N

## PNRC2 (1-139, His-tag) Human Protein

## **Product data:**

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Recombinant Proteins
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Description:	PNRC2 (1-139, His-tag) human protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMGGGERY NIPAPQSRNV SKNQQQLNRQ KTKEQNSQMK IVHKKKERGH GYNSSAAAWQ AMQNGGKNKN FPNNQSWNSS LSGPRLLFKS QANQNYAGAK FSEPPSPSVL PKPPSHWVPV SFNPSDKEIM TFQLKTLLKV QV
Tag:	His-tag
Predicted MW:	18.0 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Preparation:	Liquid purified protein
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP 060231</u>
Locus ID:	55629
UniProt ID:	<u>Q9NPJ4</u>
Cytogenetics:	1p36.11
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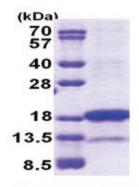
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#### Serigene PNRC2 (1-139, His-tag) Human Protein – AR51009PU-N

Summary: Involved in nonsense-mediated mRNA decay (NMD) by acting as a bridge between the mRNA decapping complex and the NMD machinery (PubMed:19150429). May act by targeting the NMD machinery to the P-body and recruiting the decapping machinery to aberrant mRNAs (PubMed:19150429). Required for UPF1/RENT1 localization to the P-body (PubMed:19150429). Plays a role in glucocorticoid receptor-mediated mRNA degradation by interacting with the glucocorticoid receptor NR3C1 in a ligand-dependent manner when it is bound to the 5' UTR of target mRNAs and recruiting the RNA helicase UPF1 and the mRNA-decapping enzyme DCP1A, leading to RNA decay (PubMed:25775514). Also acts as a nuclear receptor coactivator (PubMed:11574675). May play a role in controlling the energy balance between energy storage and energy expenditure (By similarity).[UniProtKB/Swiss-Prot Function]

**Protein Families:** Druggable Genome, Transcription Factors

### **Product images:**



15% SDS-PAGE (3ug)

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