

Product datasheet for AR51009PU-S

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

Product data:

Product Type: Recombinant Proteins

Description: PNRC2 (1-139, His-tag) human protein, 0.1 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: This purified protein is available in a denatured form, making it less

suitable for functional studies. Denatured proteins are better suited for applications like

Western Blot (WB) or imaging assays.

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:
 Q9NPJ4

 Cytogenetics:
 1p36.11

 Synonyms:
 HSPC208





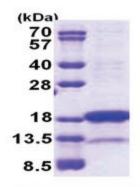
Summary:

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)