Recombinant human PNRC2 protein

Catalog Number: ATGP2185

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-139aa

UniProt No.
Q9NPJ4

NCBI Accession No.
NP_060231

Alternative Names
Proline-rich nuclear receptor coactivator 2, HSPC208

PRODUCT SPECIFICATION

Molecular Weight
18kDa (162aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M uREA, 10% glycerol

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE,Denatured

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
PNRC2 is involved in nonsense-mediated mRNA decay (NMD) by acting as a bridge between the mRNA decapping complex and the NMD machinery. This protein may act by targeting the NMD machinery to the P-body and recruiting the decapping machinery to aberrant mRNAs. It is required for uPF1/RENT1 localization to the P-body and also acts as a nuclear receptor coactivator. PNRC2 may play a role in controlling the energy balance between energy storage and energy expenditure. Recombinant human PNCR2 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

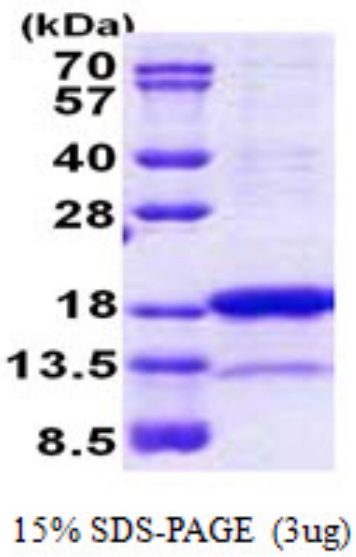
MGSSHHHHHH SSGLVPRGSH MGSMGGGERY NIPAPQSRNV SKNQQQLNRQ KTKEQNSQMK IVHKKKERGH GYNSSAAAWQ AMQNGGKNKN FPNNQSWNSS LSGPRLLFKS QANQNYAGAK FSEPPSPSVL PKPPSHWVPV SFNPSDKEIM TFQLKTLLKV QV

General References

Hentschke,M., et al. (2003) Biochem. Biophys. Res. Commun. 312 (4), 975-982

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.