



Rpn13-Pru domain

Product Data Sheet

For Research Use Only, Not for use in diagnostic procedures

## Rpn13-Pru domain

Human, recombinant protein expressed in *E. coli*.

Cat# CY-R2072

Amount: 100 µg (1.0 µg/µl)

Lot:

### Introduction:

The novel proteasome subunit Rpn13 binds to Lys48-linked diubiquitin with high affinity through a novel ubiquitin-binding domain (pleckstrin-like receptor for ubiquitin: Pru) and to ubiquitin-like (UBL) domains of UBL-ubiquitin-associated (UBA) proteins as well as to de-ubiquitinating enzyme Uch37/UchL5.

### Product Description:

1-150 a.a. of human Rpn13-Pru domain, containing *N*-terminal GST tag, expressed in *E. coli*.

### Gene Information:

The gene accession number is NM\_007002. The OMIM number is 610650.

### Gene Aliases:

ADRM1, ARM1

### Formulation:

Recombinant Rpn13-Pru domain is supplied frozen in phosphate buffered saline (PBS) containing 50 % glycerol.

### Molecular Weight:

Recombinant Rpn13-Pru domain demonstrates approximately 42 kDa band and greater than 95 % pure as determined by SDS-PAGE analysis.

### Storage:

Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, AVOID REPEATED HANDLING AND MULTIPLE FREEZE/THAW CYCLES.

### Stability:

Unopened vial at -70 °C, for 1 year after delivery.



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**References:**

1. Husnjak, K. et al. Proteasome subunit Rpn13 is a novel ubiquitin receptor. Nature 453, 481-488, 2008
2. Schreiner, P. et al. Ubiquitin docking at the proteasome through a novel pleckstrin-homology domain interaction. Nature 453, 548-552, 2008
3. Hicke, L., Schubert, H. L. & Hill, C. P. Ubiquitin-binding domains. Nature Rev. Mol. Cell Biol. 6, 610-621, 2005

**Related Products:**

- \* hHR23B-UbL domain: Cat# CY-R2068
- \* hHR23B-UBA1 domain: Cat# CY-R2069
- \* S5a-UIM2/PubS2: Cat# CY-R2070
- \* S5a-UIM1+2/PubS1+2: Cat# CY-R2071
- \* Rpn13-Pru domain: Cat# CY-R2072
  
- \* CycLex Poly-Ubiquitinated Protein Enrichment & Detection Kit: Cat# CY-7001
- \* CycLex Proteasome Enrichment & Activity Assay Kit: Cat# CY-7002

**PRODUCED BY**

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