

# Recombinant human Pontin/RUVBL1 protein

Catalog Number: ATGP0629

## PRODUCT INFORMATION

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**Expression system**

E.coli

**Domain**

1-456aa

**UniProt No.**

Q9Y265

**NCBI Accession No.**

NP\_003698

**Alternative Names**

49 kDa TATA box-binding protein-interacting protein, 49 kDa TBP-interacting protein, 54 kDa erythrocyte cytosolic protein, ECP-54, INO80 complex subunit H, INO80H, NMP 238, Nuclear matrix protein 238, Pontin 52, RuvB like AAA ATPase 1, RuvB-like 1, RVB1, TAP54-alpha, TIH1, TIP49a, TIP60-associated protein 54-alpha

## PRODUCT SPECIFICATION

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**Molecular Weight**

52.3 kDa (476aa) confirmed by MALDI-TOF

**Concentration**

0.5mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 5mM DTT, 20% glycerol

**Purity**

&gt; 95% by SDS-PAGE

**Tag**

His-Tag

**Application**

SDS-PAGE

**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

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**Description**

RuVBL1, also known as TIP49A, is a component of the NuA4 histone acetyltransferase complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histone H4 and H2A. This complex may be required for the activation of transcriptional programs associated with oncogene and proto oncogene mediated growth induction, tumor suppressor mediated growth arrest. Recombinant RuVBL1 protein,

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fused to His-tag at N-terminus, was expressed in *E. coli* and purified by using conventional chromatography techniques.

## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MKIEEVKSTT KTQRIASHSH VKGLGLDESG LAKQAASGLV GQENAREACG  
VIVELIKSKK MAGRAVLLAG PPGTGKTALA LAIAQELGSK VPFCPMVGSE VYSTEIKKTE VLMENFRAI GLRIKETKEV  
YEGETELTP CETENPMGGY GKTISHVIIG LKTAKGTKQL KLDPSIFESL QKERVEAGDV IYIEANSNAV KRQGRCDTYA  
TEFDLEAEY VPLPKGDVHK KKEIIQDVTI HDLDEVANARP QGGQDILSMM GQLMKPKKTE ITDKLRGEIN KVVNKYIDQG  
IAELVPGVLF VDEVHMLDIE CFTYLHRALE SSIAPIVIFA SNRGNCVIRG TEDITSPHGI PLDLLDRVMI IRTMLYTPQE  
MKQIIKIRAQ TEGINISEEA LNHLGEIGTK TTLRYSVQLL TPANLLAKIN GKDSIEKEHV EEISELFYDA KSSAKILADQ QDKYMK

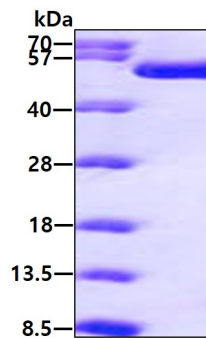
## General References

Jha S., et al. (2009) *Mol Cell*. 34(5):521-33.

Haurie V., et al. (2009) *Hepatology*. 50(6):1871-83.

## DATA

### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.