

# Recombinant human SNRPD3 protein

Catalog Number: ATGP1233

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-126aa

### UniProt No.

P62318

### NCBI Accession No.

NP\_004166

### Alternative Names

Small nuclear ribonucleoprotein Sm D3, Sm-D3, SMD3

## PRODUCT SPECIFICATION

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### Molecular Weight

16 kDa (146aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.5M NaCl, 2mM DTT, 0.1mM PMSF

### Purity

> 85% 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

SNRPD3 is a small nuclear ribonucleoprotein (snRNPs) that comprises the spliceosome in eukaryotes. It is required for pre-mRNA splicing and small nuclear ribonucleoprotein biogenesis. Alternative splicing occurs at this locus and two transcript variants encoding the same protein have been identified. Recombinant human SNRPD3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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## Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MSIGVPIKVL HEAEGHIVTC ETNTGEVYRG KLIEAEDNMN CQMSNITVTY RDGRVAQLEQ  
VYIRGSKIRF LILPDKLNA PMLKSMKNKN QGSGAGRGKA AILKAQVAAR GRGRGMGRGN IFQRR

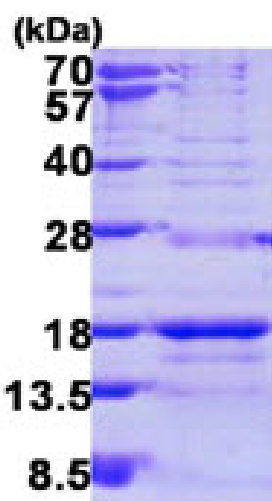
## General References

Lehmeier T. et al. (1995) Proc Natl Acad Sci. 91:12317-21.  
Lehmeier T. et al. (1991) Nucleic Acids Res. 18: 6475-84.

## DATA

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### SDS-PAGE



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

15% SDS-PAGE (3ug)