Recombinant human SNRPD3 protein

Catalog Number: ATGP1233

PRODUCT INFORMATION

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

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

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

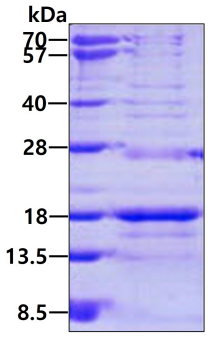
<MGSSHHHHHH SSGLVPRGSH> MSIGVPIKVL HEAEGHIVTC ETNTGEVYRG KLIEAEDNMN CQMSNITVTY RDGRVAQLEQ VYIRGSKIRF LILPDMLKNA PMLKSMKNKN QGSGAGRGKA AILKAQVAAR GRGRGMGRGN IFQKRR

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

SDS-PAGE



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