

Recombinant Human Small Nuclear Ribonucleoprotein D3 Polypeptide 18kDa, His-tagged

Cat. No. SNRPD3-6878H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SNRPD3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography. MW: 16.0 kDa.
Species	Human
Source	E.coli
ProteinLength	1-126aa
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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol 0.5M NaCl, 2mM DTT, 0.1mM PMSF.
Molecular Mass	16.0 kDa (146aa), confirmed by MALDI-TOF.
AA Sequence	MGSSHHHHHH SSGLVPRGSH MSIGVPIKVL HEAEGHIVTC ETNTGEVYRG KLIEAEDNMN CQMSNITVTY RDGRVAQLEQ VYIRGSKIRF LILPDMLKNA PMLKSMKNKN QGSGAGRGKA AILKAQVAAR GRGRGMGRGN IFQKRR
Purity	>85% by SDS - PAGE

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Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	SNRPD3 small nuclear ribonucleoprotein D3 polypeptide 18kDa [Homo sapiens]
Official Symbol	SNRPD3
Synonyms	SNRPD3; small nuclear ribonucleoprotein D3 polypeptide 18kDa; SMD3; Sm-D3; small nuclear ribonucleoprotein Sm D3; snRNP core protein D3; small nuclear ribonucleoprotein polypeptide D3; small nuclear ribonucleoprotein D3 polypeptide (18kD)
Gene ID	6634
mRNA Refseq	NM_004175
Protein Refseq	NP_004166
MIM	601062
UniProt ID	P62318
Chromosome Location	22q11.23
Pathway	Sm core complex, organism-specific biosystem; Spliceosome, U1-snRNP, organism-

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specific biosystem; mRNA Splicing, organism-specific biosystem; snRNP Assembly, organism-specific biosystem

Function

enzyme binding; histone pre-mRNA DCP binding; protein binding

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