

Recombinant Human SNRNP70 Protein, His-tagged

Cat. No. SNRNP70-2711H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SNRNP70 Protein (Met1-Glu437) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Glu437
Description	Enables U1 snRNA binding activity. Involved in mRNA splicing, via spliceosome and regulation of RNA splicing. Located in nucleoplasm. Part of U1 snRNP and spliceosomal complex. Implicated in disease of mental health and systemic lupus erythematosus. Biomarker of Alzheimer's disease.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 55.3 kDa Accurate Molecular Mass: 44 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	SNRNP70 small nuclear ribonucleoprotein 70kDa (U1) [Homo sapiens (human)]
Official Symbol	SNRNP70
Synonyms	SNRNP70; small nuclear ribonucleoprotein 70kDa (U1); RNPU1Z, RPU1, small nuclear ribonucleoprotein 70kDa (RNP antigen), SNRP70; U1 small nuclear ribonucleoprotein 70 kDa; Snp1; U1 70K; U1 snRNP 70 kDa; RPU1; U1AP; U170K; U1RNP; RNPU1Z; SNRP70; U1-70K;
Gene ID	6625
mRNA Refseq	NM_003089
Protein Refseq	NP_003080

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MIM 180740

UniProt ID P08621



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