
Product Data Sheet

Product Name: SNRPF Human
 Cat. No.: GP24648
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Sm-F; Sm protein F; snRNP-F; SMF; PBSCF; Small Nuclear Ribonucleoprotein Polypeptide F.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MSLPLNPKPF LNGLTGKPVV VKLKWGMEYK GYLVSDGYM NMQLANTEEY IDGALSGHLG EVLIRCNNVL YIRGVVEEEEE DGEMRE		
Formulation	The SNRPF protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 1mM EDTA , and 10% glycerol.		

Introduction

SNRPF is a member of the snRNP Sm proteins family. There are at least seven isoforms, E, F, G, D1, D2, D3 and B/B. This type of common proteins have a crucial part in the biogenesis of the snRNPs. Moreover, they represent the major targets for the so-called anti-Sm auto-antibodies that are diagnostic for systemic lupus erythematosus (SLE). SNRPF assist in the cytoplasmic construction of the UsnRNPs by binding to a conserved Sm site on UsnRNA and forming a stable snRNP core complex.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.

Background

SNRPF produced in E.Coli is a single, non-glycosylated polypeptide chain containing 106 amino acids (1-86a.a.) and having a molecular mass of 11.8kDa. SNRPF is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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