

Recombinant Human SNRPG, His-tagged

Cat. No. SNRPG-3507H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SNRPG protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	Small nuclear ribonucleoprotein polypeptide G, also known as SNRPG, belongs to the snRNPSm proteins family. There are at least seven isoforms, B/B, E, F, G, D1, D2, and D3. This class of common proteins plays an essential role in the biogenesis of the snRNPs. The genes encoding human Sm G map to chromosomes 2. In addition, these proteins represent the major targets for the so-called anti-Sm auto-antibodies which are diagnostic for systemic lupus erythematosus (SLE). One class of these autoantibodies reacts specifically with native Sm E-F-G complexes.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 50% glycerol, 0.1M NaCl
Molecular Weight	10.6 kDa (96aa), confirmed by MALDI-TOF
Purity	> 95% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino	MGSSHHHHHH SSGLVPRGSH MSKAHPPELK KFMDKKLSLK LNGGRHVQGI

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acids	LRGFDPFMNLVIDECVEMAT SGQQNNIGMV VIRGNSIIMLEALERV
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.
GENE INFORMATION	
Gene Name	SNRPG small nuclear ribonucleoprotein polypeptide G[Homo sapiens]
Synonyms	small nuclear ribonucleoprotein polypeptide G; SMG; Sm-G; MGC117317; SNRPG; snRNP-G; sm protein G; OTTHUMP00000204047; OTTHUMP00000204048; OTTHUMP00000204050; PBSCG
Gene ID	6637
mRNA Refseq	NM_003096
Protein Refseq	NP_003087
MIM	603542
UniProt ID	P62308
Chromosome Location	2p13.3
Function	RNA binding; protein binding