

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 SSSLVPRGSH 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

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