

Recombinant Human SNRPE, His-tagged

Cat. No. SNRPE-3410H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SNRPE 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	SNRPE, also known as SME, aids in the cytoplasmic construction of the UsnRNPs by binding to a conserved Sm site on UsnRNA and forming a stable snRNP core complex. As a core protein to UsnRNP, the SNRPE associates with the entire U family of snRNAs including U1–U6. SNRPE also interacts with DDX20 and Small nuclear ribonucleoprotein polypeptide F.
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 5mM DTT, and 1mM EDTA, 30% glycerol.
Molecular Weight	12.9 kDa (112aa) confirmed by MALDI-TOF.
Purity	> 95% by SDS - PAGE.
Concentration	0.25 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MAYRGQGQKV QKVMVQPINL IFRYLQNRSR IQV WLYEQVN MRIEGCIIGF DEYMNLVLDD AEEIHSKTKSRKQLGRIMLK GDN ITLL QSV SN.

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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.
Pathways	Spliceosome; Transcription; Gene Expression; mRNA Processing; Metabolism of RNA
GENE INFORMATION	
Gene Name	SNRPE small nuclear ribonucleoprotein polypeptide E [Homo sapiens]
Synonyms	small nuclear ribonucleoprotein polyp- eptide E; small nuclear ribonucleopr- otein E; snRNP-E; sm protein E; Sm protein E; SmE; SME; Sm-E; B-raf; SNRPE;
Gene ID	6635
mRNA Refseq	NM_003094
Protein Refseq	NP_003085
MIM	128260
UniProt ID	P62304
Chromosome Location	1q32
Function	RNA binding; protein binding