

SNRPE, 1-92aa, Human, His tag, E.coli

Cat.NO.: TP03990

3th Edition

Synonyms: Small nuclear ribonucleoprotein E, B-raf, Sm-E, SME

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. Recombinant human SNRPE protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 5mM DTT, 1mM EDTA, 30% glycerol

Molecular Weight: 12.9 kDa (112aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMAYRGQGQKVQKVMVQPINLIFRYLQNRSRIQVWLYEQVNMRIEGCIIGFDEYMN
LVLDDAEEIHSKTKSRKQLGRIMLKGDNITLLQSVSN

Purity: > 95% by HPLC

Concentration: 0.25 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

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.