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Recombinant human SNRPE protein

Catalog Number: ATGP0919

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-92aa

UniProt No.
P62304

NCBI Accession No.
NP_003085

Alternative Names
Small nuclear ribonucleoprotein E, B-raf, Sm-E, SME

PRODUCT SPECIFICATION

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

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 5mM DTT, 1mM EDTA, 30% glycerol

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

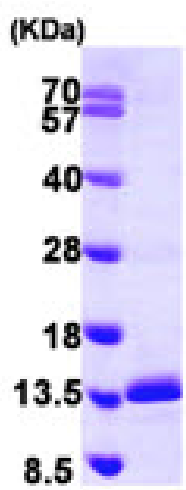
MGSSHHHHHH SSGLVPRGSH MAYRGQGQKV QKVMVQPINL IFRYLQNRSR IQVWLYEQVN MRIEGCIIGF DEYMNLVLDD AEEIHSKTKS RKQLGRIMLK GDNITLLQSV SN

General References

Campion Y., et al. (2010) EMBO J. 29(11):1817-29.
Dong X., et al. (2009) Nature. 458(7242):1136-41.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.