

**SNUPN, 1-360aa, Human, His tag, E.coli**

**Cat.NO.: TP03995**

3th Edition

**Synonyms:**KPNBL, RNUT1, Snurportin1, SPN1, Snurportin1

**Description:**SNUPN, also known as KPNBL or RNUT1, is a nuclear import adaptor protein belonging to the Snurportin family. Localizing to the cytoplasm and nucleus, Snurportin-1 contains an N-terminal IBB domain and a trimethylguanosine (m3G)-cap binding domain. It specifically binds the terminal 2,2,7-m3G-cap at the 5' end of U snRNPs and functions to transport U snRNPs into the nucleus via an association with Importin beta. Recombinant human Snurportin-1 protien, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl

**Molecular Weight:**43.3 (380aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMEELSQALASSFSVSQDLNSTAAPHPRLSQYKSKYSSLEQSERRRRLLELQKSK  
RLDYVNHARRLAEDDWTGMESEEEENKDDDEMDIDTVKKLPKHANQLMLSEWLIDVPSDLGQEWIVVCPVGKR  
ALIVASRGSTSAYTKSGYCVNRFSSLLPGGNRRNSTAKDYTILDICIYNEVNQTYVLDVMCWRGHPFYDCQTD FRF  
YWMHSKLPEEEGLGEKTKLNPFK FVGLKNFPCTPESLCDVLSMDFPFVDGLLFYHKQTHYSPGSTPLVGWLRPY  
MVSDVLGVAVPAGPLTTKPDYAGHQLQQIMEHKKSQKEGMKEKLTHKASENGHYELEHLSTPKLKGSSHSPDHPG  
CLMEN

**Purity:**> 95% by HPLC

**Concentration:**1.0 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.