Recombinant human Snurportin 1/SNUPN protein

Catalog Number: ATGP0640

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-360aa

UniProt No.
O95149

NCBI Accession No.
NP_001036053

Alternative Names
RNA U transporter 1, SNURPORTIN-1, RNUT1, SPN1

PRODUCT SPECIFICATION

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

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.1M NaCl

Purity
> 90% 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
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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Website: www.nkmaxbio.com email: supportbio@nkmax.com

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Amino acid Sequence

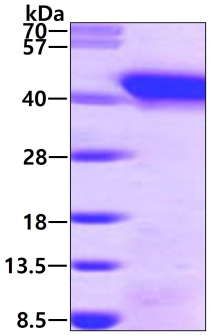
<MGSSHHHHHH SSGLVPRGSH> MEELSQALAS SFSVSQDLNS TAAPHPRLSQ YKSKYSSLEQ SERRRRLLEL QKSKRLDYVN HARRLAEDDW TGMESEEENK KDDEEMDIDT VKKLPKHYAN QLMLSEWLID VPSDLGQEWI VVVCPVGKRA LIVASRGSTS AYTKSGYCVN RFSSLLPGGN RRNSTAKDYT ILDCIYNEVN QTYYVLDVMC WRGHPFYDCQ TDFRFYWMHS KLPEEEGLGE KTKLNPFKFV GLKNFPCTPE SLCDVLSMDF PFEVDGLLFY HKQTHYSPGS TPLVGWLRPY MVSDVLGVAV PAGPLTTKPD YAGHQLQQIM EHKKSQKEGM KEKLTHKASE NGHYELEHLS TPKLKGSSHS PDHPGCLMEN

General References

Huber J., et al. (1998) EMBO J. 17(14):4114-26.

DATA

SDS-PAGE



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