

Recombinant human NXT1 protein

Catalog Number: ATGP1045

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-140aa

UniProt No.

Q9UUK6

NCBI Accession No.

NP_037380

Alternative Names

NTF2-related export protein 1, MTR2, P15

PRODUCT SPECIFICATION

Molecular Weight

18 kDa (160aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by BCA assay)

Formulation

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

Purity

> 85% 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

NXT1 functions as a nuclear export factor in both RAN (Ras-related nuclear protein) and CRM1 (required for chromosome region maintenance) dependent pathways. It is found to stimulate the export of u1 snRNA in RAN- and CRM1-dependent pathways and the export of tRNA and mRNA in a CRM1-independent pathway. This protein heterodimerizes with Tap protein and may regulate the ability of Tap protein to mediate nuclear mRNA export. Recombinant human NXT1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MASVDFKTYV DQACRAAEF VNVYYTTMDK RRRLLSRLYM GTATLVWNGN
AVSGQESLSE FFEMLPSEF QISVVDCQPV HDEATPSQTT VLVVICGSVK FEGNKQRDFN QNFILTAQAS PSNTVWKIAS
DCFRFQDWAS

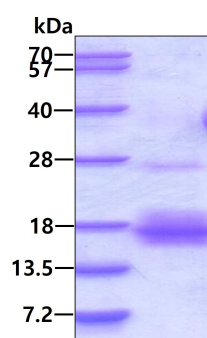
General References

Black B.E., et al. (1999) Mol. Cell. Biol. 19:8616-8624

Ossareh-Nazari B., et al. (2000) Mol. Cell. Biol. 20:4562-4571

DATA

SDS-PAGE



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