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Recombinant human NXT2 protein

Catalog Number: ATGP1440

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-197aa

UniProt No.

Q9NPJ8

NCBI Accession No.

NP 061168

Alternative Names

NTF2-related export protein 2, P15-2

PRODUCT SPECIFICATION

Molecular Weight

25.3 kDa (221aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 40% glycerol, 200mM 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

NXT2 (nuclear transport factor 2-like export factor 2) is a member of NXT family proteins that are generally involved in exporting nuclear RNA in eukaryotic cells. This protein is regulator of protein export for NEScontaining proteins. Also, it associates with NXF1, NXF2, NXF3 and NXF5 and plays a role in mRNA nuclear export. NXT2 has a critical role in maintaining morphogenetic integrity of embryonic heart in vertebrate species. Recombinant human NXT2 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

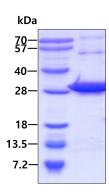
<MGSSHHHHHH SSGLVPRGSH MGS>HMRKYRS HWSQGDREGY QRRSNYYEGP HTSHSSPADR TREEVVTPTL PEHTATRSQM ATSLDFKTYV DQACRAAEEF VNIYYETMDK RRRALTRLYL DKATLIWNGN AVSGLDALNN FFDTLPSSEF QVNMLDCQPV HEQATQSQTT VLVVTSGTVK FDGNKQHFFN QNFLLTAQST PNNTVWKIAS DCFRFQDWSS S

General References

Huang H, et al. (2005) BMC Dev Biol. 24;5:7. Herold A, et al. (2000) Mol Cell Biol. 20(23):8996-9008.

DATA

SDS-PAGE



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

