

Recombinant Human NXF3 Protein, His-tagged

Cat. No. NXF3-2521H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NXF3 Protein (Trp113-Val494) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Trp113-Val494
Description	This gene is one member of a family of nuclear RNA export factor genes. Common domain features of this family are a noncanonical RNP-type RNA-binding domain (RBD), 4 leucine-rich repeats (LRRs), a nuclear transport factor 2 (NTF2)-like domain that allows heterodimerization with NTF2-related export protein-1 (NXT1), and a ubiquitin-associated domain that mediates interactions with nucleoporins. The LRRs and NTF2-like domains are required for export activity. Alternative splicing seems to be a common mechanism in this gene family. The encoded protein of this gene has shortened LRR and ubiquitin-associated domains and its RDB is unable to bind RNA. It is located in the nucleoplasm but is not associated with either the nuclear envelope or the nucleolus.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 47 kDa Accurate Molecular Mass: 44 kDa

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Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	NXF3 nuclear RNA export factor 3 [Homo sapiens (human)]
Official Symbol	NXF3
Synonyms	NXF3; nuclear RNA export factor 3; TAPL-3; TAP-like protein 3;
Gene ID	56000
mRNA Refseq	NM_022052
Protein Refseq	NP_071335

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MIM	300316
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UniProt ID	Q9H4D5
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