

Recombinant Human NXT1, His-tagged

Cat. No. NXT1-29564TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length Human NXT1 with a N terminal His tag; 160 amino acids, predicted molecular weight 18 kDa.
Species	Human
Source	E.coli
ProteinLength	160 amino acids
Description	The protein encoded by this gene is located in the nuclear envelope. It has protein similarity to nuclear transport factor 2. This protein 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. The encoded protein heterodimerizes with Tap protein and may regulate the ability of Tap protein to mediate nuclear mRNA export. The use of alternate polyadenylation sites has been found for this gene.
Conjugation	HIS
Molecular Weight	18.000kDa inclusive of tags
Form	Liquid
Purity	by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 20% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHSSGLVPRGSHMASVDFKTYVDQACRAAEFVNVYYTTMDKRRRLLSRLYMGATATLVWNGNAVSGQESLSEFFEMLPSSFEQISVVCDCQPVHDEATPSQTTVLVVICGSVKFEGNKQRDFNQNFILTAQASPSNTVWKIASDCFRFQDWAS
Sequence Similarities	Contains 1 NTF2 domain.

GENE INFORMATION

Gene Name	NXT1 NTF2-like export factor 1 [Homo sapiens]
Official Symbol	NXT1
Synonyms	NXT1; NTF2-like export factor 1; NTX2 like export factor1; NTF2-related export protein 1; MTR2; P15;
Gene ID	29107
mRNA Refseq	NM_013248
Protein Refseq	NP_037380
MIM	605811
Uniprot ID	Q9UUK6

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Chromosome Location	20p12-p11.2
Pathway	Exon junction complex (EJC), organism-specific biosystem; Influenza A, organism-specific biosystem; Influenza A, conserved biosystem; RNA transport, organism-specific biosystem; RNA transport, conserved biosystem;
Function	Ran GTPase binding; protein binding;

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