Recombinant Human NTF2-Like Export Factor 1, His-tagged

Cat. No. NXT1-3523H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NXT1 protein, fused to His-tag at N-terminus, was expressed in E.coliand purified by using conventional chromatography (1-140aa).
Species	Human
Source	E.coli
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 protienheterodimerizes with Tap protein and may regulate the ability of Tap protein to mediate nuclear mRNA export.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl
Molecular Weight	18.0 kDa (160aa) confirmed by MALDI-TOF
Purity	>85% by SDS - PAGE
Concentration	0.25 mg/ml (determined by BCAassay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MASVDFKTYV DQACRAAEEF VNVYYTTMDK RRRLLSRLYM GTATLVWNGN AVSGQESLSE FFEMLPSSEF QISVVDCQPV HDEATPSQTT VLVVICGSVK FEGNKQRDFN QNFILTAQAS PSNTVWKIAS

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	DCFRFQDWAS
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	NXT1 NTF2-like export factor 1 [Homo sapiens]
Synonyms	NXT1; NTF2-like export factor 1; P15; MTR2; protein p15; NTX2-like export factor1; NUTF-like export factor 1; NTF2-related export protein 1
Gene ID	29107
mRNA Refseq	NM_013248
Protein Refseq	NP_037380
MIM	605811
UniProt ID	Q9UKK6
Chromosome Location	20p12-p11.2
Function	Ran GTPase binding; protein binding

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