

## Product datasheet for **TP301510**

### **NXT1 (NM\_013248) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human NTF2-like export factor 1 (NXT1), 20 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC201510 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MASVDFKTYVDQACRAAEFVNYYTTMDKRRRLSRLYMGATLVWNGNAVSGQESLSEFFEMLPSEF QISVWDCQPVHDEATPSQTTVLWVICGSVKFEGNKQRDFNQNFILTAQASPSNTVWKIASDCFRFQDWAS  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	15.7 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_037380</a>
<b>Locus ID:</b>	29107
<b>UniProt ID:</b>	<a href="#">Q9UUK6</a>
<b>RefSeq Size:</b>	1176
<b>Cytogenetics:</b>	20p11.21



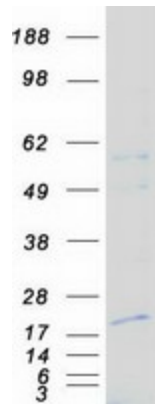
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RefSeq ORF: 420

Synonyms: MTR2; P15

**Summary:** 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. [provided by RefSeq, Jul 2008]

### Product images:



Coomassie blue staining of purified NXT1 protein (Cat# TP301510). The protein was produced from HEK293T cells transfected with NXT1 cDNA clone (Cat# [RC201510]) using MegaTran 2.0 (Cat# [TT210002]).