

NXT1, 1-140aa, Human, His tag, E.coli

Cat.NO.: TP03237

3th Edition

Synonyms:NTF2-related export protein 1, MTR2, P15

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 protein heterodimerizes 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

Sequences:

MGSSHHHHHSSGLVPRGSHMASVDFKTYVDQACRAAEFVNYYTTMDKRRLLSRLYMGATLVWNGNAVS
GQESLSEFFEMLPSEFQISVVDCCPVHDEATPSQTTVLVVICGSKFEGNKQRDFNQNFILTAQASPSNTVWKIAS
DCFRFQDWAS

Purity:> 95% by HPLC

Concentration:0.25mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.