



Recombinant Human Nuclear RNA export factor 1 (NXF1)

Product Code	CSB-YP016218HU
Abbreviation	NXF1
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9UBU9
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	ADEGKSYSE HDDERVNFPQ RKKKGRGPFR WKYGEGNRRS GRGGSGIRSS RLEEDDGDVA MSDAQDGPRV RYNPYTTRPN RRGDTWHDRD RIHVTVRRDR APPERGGAGT SQDGTSKNWF KITIPYGRKY DKAWLLSMIQ SKCSVPFTPI EFHYENTRAQ FFVEDASTAS ALKAVNYKIL DRENRRISII INSSAPPHTI LNELKPEQVE QLKLIMSKRY DGSQQALDLK GLRSDPDLVA QNIDVVLNRR SCMAATLR II EENIPELLSL NLSNNRLYRL DDMSSIVQKA PNLKILNLSG NELKSERELD KIKGLKLEEL WLDGNSLCDT FRDQSTYISA IRERFPKLLR LDGHELPPPI AFDVEAPTTL PPCKGSYFGT ENLKSLVLHF LQQYYAIYDS GDRQGLLDAY HDGACCSLSI PFIQNPARS SLAEYFKDSR NVKCLKDPTL RFRLKHTRL NVVAFLNELP KTQHDVNSFV VDISAQTSTL LCFSVNGVFK EVDGKSRDSL RAFTRTFIAV PASNSGLCIV NDELFRNAS SEEIQRAFAM PAPTPSSSPV PTLSPQQEM LQAFSTQSGM NLEWSQKCLQ DNNWDYTRSA QAFTHLKAKG EIPEVAFMK
Source	Yeast
Target Names	NXF1
Protein Names	Recommended name: Nuclear RNA export factor 1 Alternative name(s): Tip-associated protein Tip-associating protein mRNA export factor TAP
Expression Region	2-619
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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 shuttles between the nucleus and the cytoplasm and binds in vivo to poly(A)+ RNA. It is the vertebrate homologue of the yeast protein Mex67p. The encoded protein overcomes the mRNA export block caused by the presence of saturating amounts of CTE (constitutive transport element) RNA of type D retroviruses. Alternative splicing results in multiple transcript variants.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.