

Product datasheet for **TP308018**

UPF1 (NM_002911) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human UPF1 regulator of nonsense transcripts homolog (yeast) (UPF1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208018 protein sequence Red =Cloning site Green =Tags(s)

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MSVEAYGPSSQTLTFLDTEEAELLGADTQGSEFEFTDFTLPSQTQTPPGGPGGPGGGGAGGPGGAGAGAA
AGQLDAQVGPEGILQNGAVDDSVAKTSQLLAELNFEDEEDTYTKDLPIHACSYCGIHPACVVCNTS
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DRMQSALKTFVADETSVSGYIYHKKLGHEVEDVIKCKQLPKRFTAQGLPDNLNHSQVYAVKTVLQRP LSLI
QGPPGTGKT VTSATIVYHLARQNGNPVLCAPSNIADVQLTEKIHQTGLKVVRCLCAKSREAIIDSPVSFLA
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CVRANEHQGIGFLNDPRRLNVALTRARYGVII VGNPKALSKQPLWNHLLNYYKEQKVLVEGPLNNLRESL
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IPIPFNLVMPMPMPPGYFGQANGPAAGRGT PKGKTGRGGRQKNRFLGPGSQTNLPNSQASQDVASQPF S
QGALTQGYISMSQPSQMSQPLSQPELSQD SYLGDEFKSQIDVALSQQDSTYQGERAYQHGGVTGLS QY
```

TRTRPLEQKLISEEDLAANDILDYKDDDDK**V**

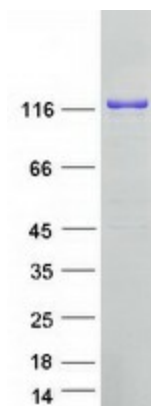
Tag:	C-Myc/DDK
Predicted MW:	122.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002902
Locus ID:	5976
UniProt ID:	Q92900 , A0A024R7L5
RefSeq Size:	5360
Cytogenetics:	19p13.11
RefSeq ORF:	3354
Synonyms:	HUPF1; NORF1; pNORF1; RENT1; smg-2; UTF
Summary:	This gene encodes a protein that is part of a post-splicing multiprotein complex involved in both mRNA nuclear export and mRNA surveillance. mRNA surveillance detects exported mRNAs with truncated open reading frames and initiates nonsense-mediated mRNA decay (NMD). When translation ends upstream from the last exon-exon junction, this triggers NMD to degrade mRNAs containing premature stop codons. This protein is located only in the cytoplasm. When translation ends, it interacts with the protein that is a functional homolog of yeast Upf2p to trigger mRNA decapping. Use of multiple polyadenylation sites has been noted for this gene. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]
Protein Families:	Druggable Genome

Product images:



Coomassie blue staining of purified UPF1 protein (Cat# TP308018). The protein was produced from HEK293T cells transfected with UPF1 cDNA clone (Cat# [RC208018]) using MegaTran 2.0 (Cat# [TT210002]).