

Product datasheet for PH308018

UPF1 (NM_002911) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	UPF1 MS Standard C13 and N15-labeled recombinant protein (NP_002902)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208018
Predicted MW:	123 kDa
Protein Sequence:	>RC208018 protein sequence Red=Cloning site Green=Tags(s)

MSVEAYGPSSQTLTFLDTEEAELLGADTQGSEFEFTDFTLPSQTQTTPGGPGGGGGAGGPGGAGAGAA
AGQLDAQVGPPEGILQNGAVDDSVAKTSQLLAELNFEDEEDTYTKDLP.IHACSYCGIHDPACVVCNTS
KKWFCNCRGNTSGSHIVNHLVRAKCKEVTLHKDGPLGETVLECYNCGCRNVFLLGFIPAKADSVVLLCR
QPCASQSSLKDINWSSQWQPLIQDRCFLSWLVKIPSEQEQLRARQITAQQINKLEELWKENPSATLEDL
EKPGVDEEPQHVLRLRYEDAYQYQNIIFGPLVKLEADYDKKLESQTQDNITVRWDLGLNKKRIAYFTLPKT
DSDMRMLMQGDEICLRYKGD LAPLWKIGHVIVKVPDNYGDEIAIELRSSVGAPVEVTHNFQVDFVWKSTSF
DRMQSALKTFAYDETSVSGYIYHKLLGHEVEDVIKCKQLPKRFTAQGLPDLNHSQYVAVKTVLQRPLSLI
QGPPGTGKTVTSATIVYHLARQNGPVLVCAPSNI AVDQLTEKIHQTGLKVVRCAKSREAI DSPVSFLA
LHNQIRNMDSMPELQKLQQLKDETGELSSADEKRYRALKRTAERELLMNADVICCTCVGAGDPRLAKMQF
RSILIDESTQATEPECMVPVVLGAKQLILVGDHCQLGPVVMCKKAAKAGLSQSLFERLVVLGIRP.IRLQV
QYRMHPALSAFPSNIFYEGSLQNGVTAADRVKKGFDQWPQDPKPMFFYVTQGGEEIASSGTSYLNRTAA
ANVEKITTLLKAGAKPDQIGIITPYEGQRSYL VQYMQFSGSLHTKLYQEVEIASVDAFQGREKDFIILS
CVRANEHQGIGFLNDPRRLNVALTRARYGVIIVGNPKALSKQPLWNHLLNYYKEQKVLVEGPLNNLRESL
MQFSKPRKL VNTINPGARFMTTAMYDAREAIIPGSVYDRSSQGRPSSMYFQTHDQIGMISAGPSHVAAMN
IPIPFNLVMPMPPPGYFGQANGPAAGRTPKGTGRGGRQKNRFGLPGPSQTNLPNSQASQDVASQPF S
QGALTQGYISMSQPSQMSQPGLSQPELSQDSYLGDEFKSQIDVALSQDSTYQGERAYQHGGVTVGLSQY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

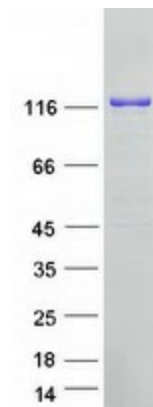
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



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Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002902
RefSeq Size:	5360
RefSeq ORF:	3354
Synonyms:	HUPF1; NORF1; pNORF1; RENT1; smg-2; UTF
Locus ID:	5976
UniProt ID:	Q92900 , A0A024R7L5
Cytogenetics:	19p13.11
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]).