

Product datasheet for PH315944

UPF2 (NM_080599) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	UPF2 MS Standard C13 and N15-labeled recombinant protein (NP_542166)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215944
Predicted MW:	147.8 kDa
Protein Sequence:	>RC215944 protein sequence Red=Cloning site Green=Tags(s)

MPAERKKPASMEEKDSL PNNKEKDCSERRTVSSKERPKDDIKLTAKKEVSKAPEDKKRLEDDKRRKEDK
ERKKKDEEKVKAEEEE SKKKEEEEEKKKHQEEERKKQEEQAKRQQEEEEAAAQMKKEEESIQLHQEAWERHHL
RKELRSKNQNAPDSRPEENFFSRLDSSLKNTAFVKKLKITEQQRDSL SHDFNGLNLSKYIAEAVASIV
EAKLKISDVNCAVHLC SLFHQRYADFAPSL LQVWKKHF EARKEE KTPNITKLRD LRFIAELTIVGIFTD
KEGLSLIYEQLKNIINADRESHTVSVVISFCRHCGDDIAGLVPRKVKSAAEKFNLSFPPSEIISPEKQQ
PFQNL LKEYFTSLTKHLKRDHRELQNTERQNRRLHSGELSEDRHKQYEEFAMSYQKLLANSQSLADLL
DENMPDL PQDKPTPEEHGPGIDIFTPGKPG EYDLEGGIWEDEDARNFYENLIDLKAFVPA I LFKDNEKSC
QNKESNKDDTKEAKE SKENKEVSSPDDLELELENLEINDDTLELEGGDEAEDLTKKLLDEQE QEDEEAST
GSHLKLIVDAFLQQLPNCVNRDLIDKAAMDFCMNMNTKANRKKLVRALFIVPRQLDLLPFYARLVATLH
PCMSDVAEDLCSMLRGDFRFHVRKKDQINIETKNKTVRFIGELTKFKMFTKNDTLHCLKMLLSDFSHHHI
EMACTLLETGCRFLFRSPESHLRTSVLLEQMMRKKQAMHLDARYVTMVENAYYYCNPPPAEKT VKKKRPP
LQEYVRKLLYKDL SKVTTEKVL RQMRKLPWQDQEVKDYVICCMINIWNVYNSIHCVANLAGLVLYQED
VGIHVVDGVL EIRLGMEVNQPKFNQRRISSAKFLGELYNYRMVESAVIFRTL YSFTSFGVNPDGSPSSL
DPPEHLFRIRLVCTILDTCGQYFDRGSSKRKLD CFLVYFQRYVWVWKSLEVWTKDHPFPIDIDYMSDTL
ELLRPKIKL CNSLEESIRQVQDLEREF L IKLGLVNDKDSKDSMTEGENLEEEDEEEEGGAETEEQSGNES
EVNEPEEEEGSDNDDDEGE EEEEEENTDYL TDSNKENETDEENTEVMIKGGGLKHVPCVEDEDFIQALDKM
MLENLQQRSGESVKVHQLDVAIPLHLKSQLRKGPPLGGEGEAEASADTMPFVMLTRKGNKQQFKILNVPM
SSQLAANHWNQQQAEQEERM RKKLTLDINERQE QEDYQEMLQSLAQRPA PANTNRERRPRYQHPKGAPN
ADLIFKTGRRR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

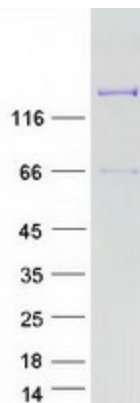
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method



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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
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_542166
RefSeq Size:	5387
RefSeq ORF:	3816
Synonyms:	HUPF2; RENT2; smg-3
Locus ID:	26019
UniProt ID:	Q9HAU5
Cytogenetics:	10p14
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 in the perinuclear area. It interacts with translation release factors and the proteins that are functional homologs of yeast Upf1p and Upf3p. Two splice variants have been found for this gene; both variants encode the same protein. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified UPF2 protein (Cat# [TP315944]). The protein was produced from HEK293T cells transfected with UPF2 cDNA clone (Cat# [RC215944]) using MegaTran 2.0 (Cat# [TT210002]).