

Product datasheet for **TP315944M**

UPF2 (NM_080599) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human UPF2 regulator of nonsense transcripts homolog (yeast) (UPF2), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215944 protein sequence Red =Cloning site Green =Tags(s)

MPAERKKPASMEEKDSLNNKEKDCSERRTVSSKERPKDDIKLTAKKEVSKAPEDKKKRLEDDKRKKEDK
ERKKKDEEKVKAEEESKKKEEEKKKHQEEERKKQEEQAKRQQEAAAAQMKKEESIQLHQEAWERHHL
RKELRSKNQNAPDSRPEENFFSRLDSSLKKNATFVKLKTITEQQRDSLHDFNGLNLSKYIAEAVASIV
EAKLKISDVNCAVHLCSLFHQRYADFAPSLQVWKKHFEARKEEKTNPITKLRTDLRFIAELTIVGIFTD
KEGLSLIYEQLKNIINADRESHTHVSVVISFCRHCGDDIAGLVPRKVKSAAEKFNLSFPPSEIISPEKQQ
PFQNLKEYFTSLTKHLKRDHRELQNTERRILHSHKGELSEDRLHKQYEEFAMSYQKLLANSQSLADLL
DENMPDLPQDKPTPEEHGPGIDIFTGPKGEYDLEGGIWEDEDARNFYENLIDLKAFVPAIFKDNEKSC
QNKESNKDDTKEAKESKENKEVSSPDDELELELENLEINDDTLELEGGDEAEDLTCKLLDEQEQEDEEAST
GSHLKLIVDAFLQQLPNCVNRDLIDKAAMDFCMNMNTKANRKKLVRLFIVPRQRLDLLPFYARLVATLH
PCMSDVAEDLCSMLRGDFRFHVRKKDQINIETKNKTVRFIGELTKFKMFTKNDTLHCLKMLLSDFSHHHI
EMACTLLETGCRFLFRSPESHLRTSVLLEQMMRKKQAMHLDARYVTMVENAYYYCNPPEAKTVKKKRPP
LQEYVRKLLYKDLKSVTTEKVLQRMRKLPWQDQEVKDYVICCMINIWNVKNYSIHCVANLLAGLVLYQED
VGIVVDGVLEDIRLGMEVNQPKFNQRRISAKFLGELYNYRMVESAVIFRTLYSFTSFGVNPDPGSPSSL
DPPEHLFRIRLVCTILDTCGQYFDRGSSKRKLDCLVYFQRYVWWKKSLEVWTKDHPFPIDIDYMISDTL
ELLRPKIKLCSLEESIRQVQDLEREFILKGLVNDKDSKDSMTEGENLEEDDEEEEGGAETEEQSGNES
EVNEPEEEEGSDNDDDEGEEEEENTDYLTDSNKENETDEENTEVMIKGGGLKHVPCVEDEDFIQALDKM
MLENLQQRSGESVKVHQLDVAIPLHLKSQLRKGPPPLGGGEGEAESADTMPFVMLTRKGNKQQFKILNVP
M
SSQLAANHWNQQQAEQEERMRMKKLTLDINERQEQEDYQEMQLSLAQRPAANTNRERRPRYQHPK
GAPN
ADLIFKTGGRRR

TRTRPLE**QKLISEEDLA**NDILDYKDDDDKV

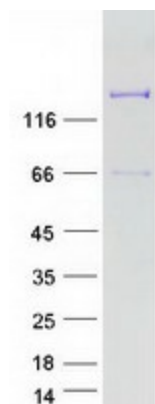
Tag: C-Myc/DDK



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Predicted MW:	147.6 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
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_542166
Locus ID:	26019
UniProt ID:	Q9HAU5
RefSeq Size:	5387
Cytogenetics:	10p14
RefSeq ORF:	3816
Synonyms:	HUPF2; RENT2; smg-3
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]).