

Recombinant Full Length Human UPF2 Protein, C-Flag-tagged

Cat. No. UPF2-1875HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human UPF2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	147.6 kDa
AA Sequence	MPAERKKPASMEEKDSLNNKEKDCSERRTVSSKERPKDDIKLTAKKEVSKAPEDK KKRLEDDKRKKEDK ERKKKDEEKVKAEESKSKKEEEKKKHQEEERKKQEEQAKR QQEEEEAAQMKEKEESIQLHQEAWEHHL RKELRSKNQNAPDSRPEENFFSRLDS SLKKNTAFVKKLKTITEQQQRDSLHDFNGLNLSKYIAEAVASIV EAKLKISDVNCAVHL

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CSLFHQRYADFAPSLQVWKKHFEARKEEKTNPITKLRTDLRFIAELTIVGIFTD KEG
 LSLIYEQLKNIINADRESHTHVSVVISFCRHCDDIAGLVPRKVKSAAEKFNLSFPPSEI
 ISPEKQQ PFQNLKEYFTSLTKHLKRDHRELQNTERRILHSHKGESEDRHKQY
 EEFAMSYQKLLANSQSLADLL DENMPDLPQDKPTPEEHGPGIDIFTPGKPGEYDLE
 GGIWEDEDARNFYENLIDLKAFVPAILFKDNEKSC QNKESNKDDTKEAKESKENKEV
 SSPDDLELELENLEINDDTLELEGGDEAEDLTKKLLDEQEQEDEEAST GSHLKLIVDA
 FLQQLPNCVNRDLIDKAAMDFCMNMNTKANRKKLVRALFIVPRQRDLDPFYARLVA
 TLH PCMSDVAEDLCSMLRGDFRFHVRKKDQINIETKNKTVRFIGELTKFKMFTKNDT
 LHCLKMLLSDFSHHHI EACTLLETGCRFLFRSPESHLRTSVLLEQMMRKKQAMHL
 DARYVTMVENAYYYCNPPPAEKTVKKKRPP LQEYVRKLLYKDLSKVTTEKVLRQMR
 KLPWQDQEVKDYVICCMINIWNVKYNSIHCVANLLAGLVLYQED VGIHVVDGVLEDI
 RLGMEVNQPKFNQRRISSAKFLGELYNYRMVESAVIFRTLYSFTSFGVNPDGSPSSL
 DPPEHLFRIRLVCTILDTGQYFDRGSSKRKLDCFLVYFQRYVWWKKSLEVWTKDH
 PFPIDIDYMISDTL ELLRPKIKLCSNLEESIRQVQDLEREFILKGLVNDKDSKDSMTE
 GENLEEEDEEEEGGAETEEQSGNES EVNEPEEEEGSDNDDDEGEEEEEEENTDYLT
 DSNKENETDEENTEVMIKGGGLKHVPCVEDEDFIQALDKM MLENLQQRSGESVKV
 HQLDVAIPLHLKSQLRKGPPLGGGEGEAESADTMPFVMLTRKGNKQQFKILNVPM S
 SQAANHWNQQQAEQEERMRMKKLTLDINERQEEDYQEMQLSLAQRPAANTN
 RERRPRYQHPKGAPN ADLIFKTGRRR TRTRPLEQKLISEEDLAANDILDYKDDDD
 KV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.

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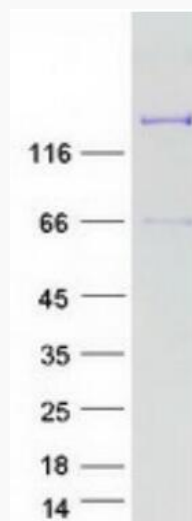
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Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.
GENE INFORMATION	
Gene Name	UPF2 UPF2 regulator of nonsense mediated mRNA decay [Homo sapiens (human)]
Official Symbol	UPF2
Synonyms	HUPF2; RENT2; smg-3
Gene ID	26019
mRNA Refseq	NM_080599.3
Protein Refseq	NP_542166.1
MIM	605529
UniProt ID	Q9HAU5

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Coomassie blue staining of purified UPF2 protein.