

Recombinant Human UPF1 Protein, MYC/DDK-tagged

Cat. No. UPF1-635H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human UPF1 protein, fused to MYC/DDK tag at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
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 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].
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Molecular Mass	122.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	UPF1, RNA helicase and ATPase[Homo sapiens]
Official Symbol	UPF1
Synonyms	HUPF1; NORF1; pNORF1; RENT1; smg-2
Gene ID	5976
mRNA Refseq	NM_002911.3
Protein Refseq	NP_002902.2
MIM	601430
UniProt ID	Q92900

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