Recombinant Human UPF3A cell lysate

Cat. No. UPF3A-1889HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Description	This gene encodes a protein that is part of a post-splicing multiprotein complex involved in both mRNA nuclear export and mRNA surveillance. The encoded protein is one of two functional homologs to yeast Upf3p. 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 binds to the mRNA and remains bound after nuclear export, acting as a nucleocytoplasmic shuttling protein. It forms with Y14 a complex that binds specifically 20 nt upstream of exon-exon junctions. This gene is located on the long arm of chromosome 13. Two splice variants encoding different isoforms have been found for this gene.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

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Gene Name	UPF3A UPF3 regulator of nonsense transcripts homolog A (yeast) [Homo sapiens]
Official Symbol	UPF3A
Synonyms	UPF3A; UPF3 regulator of nonsense transcripts homolog A (yeast); regulator of nonsense transcripts 3A; HUPF3A; RENT3A; UPF3; hUpf3; nonsense mRNA reducing factor 3A; up-frameshift suppressor 3 homolog A; FLJ35267; FLJ57970;
Gene ID	65110
mRNA Refseq	NM_023011
Protein Refseq	NP_075387
MIM	605530
UniProt ID	Q9H1J1
Chromosome Location	13q34
Pathway	Exon junction complex (EJC), organism-specific biosystem; Gene Expression, organism-specific biosystem; Nonsense Mediated Decay Enhanced by the Exon Junction Complex, organism-specific biosystem; Nonsense-Mediated Decay, organism-specific biosystem; RNA transport, organism-specific biosystem; RNA transport, conserved biosystem; mRNA surveillance pathway, organism-specific biosystem;
Function	RNA binding; nucleocytoplasmic transporter activity; nucleotide binding; protein binding;

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