

Recombinant Human UPF3A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. UPF3A-6102H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	UPF3A MS Standard C13 and N15-labeled recombinant protein (NP_542418) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
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. 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. Several splice variants encoding different isoforms have been found for this gene.
Molecular Mass	51 kDa
AA Sequence	MRSEKEGAGGLRAAVAARGPSGREKLSALEVQFHRDSQQQEATPPTSSSGCGG GAGKPREEKRTALSKVVIRRLPPGLTKEQLEEQLRPLPAHDYFEFFAADLSLYPHLY

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SRAYINFRNPDDILLFRDRFDGYIFLDSKDPEYKKFLETYCVVEEKT SANPETLLGEM
EAKTRELIARRTTPLLEYIKNRKLEKQRIREEKREERRRRELEKKRLREEEKRRRREE
ERCKKKETDKQKKIAEKEVRIKLLKKPEKGEEPTTEKPKERGEEDTGGGKQESCAP
GAVVKARPMEGSLEEPQETSHSGSDKEHRDVERSQEQESEAQRYHVDDGRRHRA
HHEPERLSRRSEDEQRWGKGPQGDRGKKGSQDSGAPGEAMERLGRAQRCDDSP
APRKERLANKDRPALQLYDPGARFRARECGGNRRICKAEGSGTGPEKREEAETRT
RPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name UPF3A UPF3A regulator of nonsense mediated mRNA decay [Homo sapiens (human)]

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

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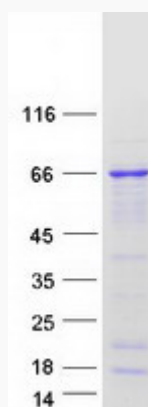
mRNA Refseq [NM_080687](#)

Protein Refseq [NP_542418](#)

MIM [605530](#)

UniProt ID [Q9H1J1](#)

SDS-PAGE



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