



Recombinant Human Regulator of nonsense transcripts 3A (UPF3A)

Product Code	CSB-MP875647HU
Abbreviation	UPF3A
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9H1J1
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MRSEKEGAGG LRAAVAARGP SGREKLSALE VQFHRDSQQQ EAETPPTSSS GCGGGAGKPR EEKRTALSKV VIRRLPPGLT KEQLEEQLRP LPAHDYFEFF AADLSLYPHL YSRAYINFRN PDDILLFRDR FDGYIFLDSK GLEYPAVVEF APFQKIAKKK LRKKDAKTGS IEDDPEYKKF LETYCVVEEK TSANPETLLG EMEAKTRELI ARRTTPLLEY IKNRKLEKQR IREEKREERR RRELEKKRLR EEEEKRRRREE ERCKKKETDK QKKIAEKEVR IKLLKKPEKG EEPTEKPKPE RGEEIDTGGG KQESCAPGAV VKARPMEGSL EEPQETSHSG SDKEHRDVER SQQESEAQR YHVDDGRRHR AHHEPERLSR RSEDEQRWVGK GPGQDRGKKG SQDSGAPGEA MERLGRAQRC DDSPAPRKER LANKDRPALQ LYDPGARFRA RECGGNRRIC KAEGSGTGPE KREEAE
Source	Mammalian cell
Target Names	UPF3A
Protein Names	Recommended name: Regulator of nonsense transcripts 3A Alternative name(s): Nonsense mRNA reducing factor 3A Up-frameshift suppressor 3 homolog A Short name= hUpf3
Expression Region	1-476
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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