



Recombinant Human Regulator of nonsense transcripts 3B (UPF3B)

Product Code	CSB-EP883646HU
Abbreviation	UPF3B
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.	Q9BZI7
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MKEEKEHRPK EKRVTLTPA GATGSGGGTS GDSSKGEDKQ DRNKEKKEAL SKVIRRLPP TLTKEQLQEH LQPMPEHDYF EFFSNDTSLY PHMYARAYIN FKNQEDIILF RDRFDGYVFL DNKGQEYPAI VEFAPFQKAA KKKTKKRDTK VGTIDDDPEY RKFLESYATD NEKMTSTPET LLEEIEAKNR ELIAKKTTP LSFLKNKQRM REEKREERRR REIERKRQRE EERRKWKEEE KRKRKDIEKL KKIDRIPERD KLKDEPKIKV HRFLQAVNQ KNLLKKPEKG DEKELDKREK AKKLDKENLS DERASGQSCT LPKRSDSELK DEKPKRPEDE SGRDYRERER EYERDQERIL RERERLKRQE EERRRQKERY EKEKTFKRKE EEMKKEKDTL RDKGKKAEST ESIGSSEKTE KKEEVVKRDR IRNKDRPAMQ LYQPGARSRN RLCPPDDSTK SGDSAAERKQ ESGISHRKEG GEE
Source	E.coli
Target Names	UPF3B
Protein Names	Recommended name: Regulator of nonsense transcripts 3B Alternative name(s): Nonsense mRNA reducing factor 3B Up-frameshift suppressor 3 homolog B Short name= hUpf3B Up-frameshift suppressor 3 homolog on chromosome X Short name=
Expression Region	1-483
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 X. 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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