

Datasheet for ABIN7555162  
**UPF3B Protein (AA 1-483) (His tag)**



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## Overview

Quantity:	1 mg
Target:	UPF3B
Protein Characteristics:	AA 1-483
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This UPF3B protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant UPF3B Protein expressed in mammalian cells.
Sequence:	<p>MKEEKEHRPK EKRVTLTPA GATGSGGGTS GDSSKGEDKQ DRNKEKKEAL SKVVIRRLPP TLTKEQLQEH LQPMPEHDYF EFFSNDTSLY PHMYARAYIN FKNQEDIILF RDRFDGYVFL DNKGQEYPAI VEFAPFQKAA KKKTKKRDTK VGTIDDDPEY RKFLESYATD NEKMTSTPET LLEEIEAKNR ELIAKKTTP LLSFLKKNQRM REEKREERRR REIERKRQRE EERRKWKEEE KRKRKDIEKL KRIDRIPERD KLKDEPKIKV HRLLQAVNQ KNLLKKPEKG DEKELDKREK AKKLDKENLS DERASGQSCT LPKRSDSELK DEKPKRPEDE SGRDYRERER EYERDQERIL RERERLKRQE EERRRQKERY EKEKTFKRKE EEMKKEKDTL RDKGKKAEST ESIGSSEKTE KKEEVVKRDR IRNKDRPAMQ LYQPGARSRN RLCPPDDSTK SGDSAAERKQ ESGISHRKEG GEE</p> <p><b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

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isoform, please contact us regarding an individual offer.

### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

### Grade:

custom-made

## Target Details

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### Target:

UPF3B

### Alternative Name:

UPF3B ([UPF3B Products](#))

### Background:

Regulator of nonsense transcripts 3B (Nonsense mRNA reducing factor 3B) (Up-frameshift suppressor 3 homolog B) (hUpf3B) (Up-frameshift suppressor 3 homolog on chromosome X) (hUpf3p-X),FUNCTION: Involved in nonsense-mediated decay (NMD) of mRNAs containing premature stop codons by associating with the nuclear exon junction complex (EJC) and serving as link between the EJC core and NMD machinery. Recruits UPF2 at the cytoplasmic side of the nuclear envelope and the subsequent formation of an UPF1-UPF2-UPF3 surveillance complex (including UPF1 bound to release factors at the stalled ribosome) is believed to activate NMD. In cooperation with UPF2 stimulates both ATPase and RNA helicase activities of UPF1. Binds spliced mRNA upstream of exon-exon junctions. In vitro, stimulates translation, the function is independent of association with UPF2 and components of the EJC core. {ECO:0000269|PubMed:11163187, ECO:0000269|PubMed:12718880, ECO:0000269|PubMed:16209946, ECO:0000269|PubMed:16601204,

## Target Details

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ECO:0000269|PubMed:18066079}.

Molecular Weight: 57.8 kDa

UniProt: [Q9BZI7](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months