

# Recombinant Human UPF1 protein, His-tagged

**Cat. No.** UPF1-3089H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human UPF1 protein(310-607 aa), fused to His tag, was expressed in E. coli.                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 310-607 aa                                                                                                                                                                                                                                                                                                                           |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.                                                  |
| <b>AA Sequence</b>      | VKLEADYDKKLKESQTQDNITVRWDLGLNKKRIAYFTLPKTDSDMRLMQGDEICLRY<br>KGD LAPLWKGIGHVIKVPDNYGDEIAIELRSSVGAPVEVTHNFQVDFVWKSTSFDRM<br>QSALKTF AVDETSVSGYIYHKLLGHEVEDVIK CQLPKRFTAQGLPDLNHSQVYAVKT<br>VLQRPLSLIQGPPGTGKTVTSATIVYHLARQGNGPVLVCAPSNI AVDQLTEKIHQTGL<br>KVVRLCAKSRE AIDSPVSFLALHNQIRNMDSMP ELQKLQQLKDETGE LSSADEKRYR<br>ALKRTAERELL |
| <b>Purity</b>           | 95%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                             |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw                                                                                                         |

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cycles.

#### Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.  
Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

#### Gene Name

UPF1 UPF1 regulator of nonsense transcripts homolog (yeast) [ Homo sapiens ]

#### Official Symbol

UPF1

#### Synonyms

UPF1; UPF1 regulator of nonsense transcripts homolog (yeast); regulator of nonsense transcripts 1 , RENT1; regulator of nonsense transcripts 1; HUPF1; KIAA0221; NORF1; pNORF1; smg 2; smg 2 homolog; nonsense mediated mRNA decay factor (C. elegans); UP Frameshift 1; delta helicase; yeast Upf1p homolog; ATP-dependent helicase RENT1; nonsense mRNA reducing factor 1; up-frameshift mutation 1 homolog; up-frameshift suppressor 1 homolog; smg-2 homolog, nonsense mediated mRNA decay factor; RENT1; smg-2; FLJ43809; FLJ46894;

#### Gene ID

5976

#### mRNA Refseq

NM\_002911

#### Protein Refseq

NP\_002902

#### MIM

601430

#### UniProt ID

Q92900

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