

Full-Length

## UPF3B (Human) Recombinant Protein (P01)

Catalog # H00065109-P01

Size 50 ug

### Specification

<b>Product Description</b>	Human UPF3B full-length ORF (BAG52755.1, 1 a.a. - 470 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	MKEEKEHRPKEKRVTLTPAGATGSGGGTSGDSSKGEDKQDRNKEKKEALSKVVIRRLPPTLTK EQLQEHLQPMPEHDYFEFFSNDTSLYPHMYARAYINFKNQEDIILFRDRFDGYVFLDNKGQEYPAIV EFAPFQKAAKKKTKKRDTKVGTIDDDPEYRKFLSYATDNEKMTSTPETLLEEIEAKNRELIAKKTT PLLSFLKNKQRMREEKREERRRREIERKRQREEERRKWKEEEKRKRKDIEKLKKIDRIPERDKLK DEPKIKLLKKPEKGDEKELDKGEKAKKLDKENLSDERASGQSCTLPKRSDSELKDEKPKRPED ESGRDYREREREYERDQERILRERERLKRQEEERRRQKERYEKEKTFKRKEEEMKKEKDTLRDK GKKAESTESIGSSEKTEKKEEVVKRDRIRNKDRPAMQLYQPGARSNRLCPPDDSTKSGDSAAE RKQESGISHRKEGGEE
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	82.5
<b>Interspecies Antigen Sequence</b>	Mouse (86); Rat (86)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

### Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)

- Antibody Production
- Protein Array

## Gene Info — UPF3B

Entrez GeneID [65109](#)

GeneBank Accession# [AK093728.1](#)

Protein Accession# [BAG52755.1](#)

Gene Name UPF3B

Gene Alias HUPF3B, MRXS14, RENT3B, UPF3X

Gene Description UPF3 regulator of nonsense transcripts homolog B (yeast)

Omim ID [300298 300676](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

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. [provided by RefSeq]

**Other Designations** OTTHUMP00000023923|OTTHUMP00000023924|UPF3 regulator of nonsense transcripts homolog B