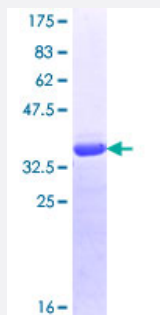


# RENT1 (Human) Recombinant Protein (Q01)

Catalog # H00005976-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human RENT1 partial ORF ( NP_002902.2, 1019 a.a. - 1116 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	GRQKNRFGLPGPSQTNLPNSQASQDVASQPFSQGALTQGYISMSQPSQMSQPGLSQPELSQDS YLGDEFKSQIDVALSQDSTYQGERAYQHGGVTGLS
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	36.52
<b>Interspecies Antigen Sequence</b>	Mouse (98); Rat (98)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<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 — UPF1

Entrez GeneID [5976](#)

GeneBank Accession# [NM\\_002911](#)

Protein Accession# [NP\\_002902.2](#)

Gene Name UPF1

Gene Alias FLJ43809, FLJ46894, HUPF1, KIAA0221, NORF1, RENT1, pNORF1

Gene Description UPF1 regulator of nonsense transcripts homolog (yeast)

Omim ID [601430](#)

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. 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 is located only in the cytoplasm. When translation ends, it interacts with the protein that is a functional homolog of yeast Upf2p to trigger mRNA decapping. Use of multiple polyadenylation sites has been noted for this gene. [provided by RefSeq]

**Other Designations** UP Frameshift 1|delta helicase|nonsense mRNA reducing factor 1|regulator of nonsense transcripts 1|up-frameshift mutation 1 homolog|yeast Upf1p homolog