

# Recombinant Full Length Human RPN1 Protein, C-Flag-tagged

**Cat. No.** RPN1-1186HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human RPN1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | This gene encodes a type I integral membrane protein found only in the rough endoplasmic reticulum. The encoded protein is part of an N-oligosaccharyl transferase complex that links high mannose oligosaccharides to asparagine residues found in the Asn-X-Ser/Thr consensus motif of nascent polypeptide chains. This protein forms part of the regulatory subunit of the 26S proteasome and may mediate binding of ubiquitin-like domains to this proteasome. |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Molecular Mass</b>   | 66.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MEAPAAGLFLLLLGTWAPAPGSASSEAPPLINEDVKRTVDLSSHLAKVTAEVVLAHL<br>GGGSTSRATSFL LALEPELEARLAHLGVQVKGEDEEENNLEVRETKIKGKSGRFFT<br>VKLPVALDPGAKISVIVETVYTHVLH PYPTQITQSEKQFVVFEGNHYFSPYPTKTQT<br>MRVKLASRNVESYTKLGNPTRSEDLDDYGPFRDVPAYS QDTFKVHYENNSPFLTIT<br>SMTRVIEVSHWGNIAVEENVDLKHTGAVLKGPFSRYDYQRQPDSSGSISSIRSF KTILP<br>AAAQDVYYRDEIGNVSTSHLLILDDSVEMEIRPRFPLFGGWKTHYIVGYNLPSYEYLY<br>NLGDQYA LKMRFVDHVFDEQVIDSLTVKIILPEGAKNIEIDSPYEISRAPDELHYTYLD                    |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TFGRPVIVAYKKNLVEQH IQDIVVHYTFNKVLMLQEPLLVVAIFYLFFTVIIVRLDFSI  
TKDPAAEARMKVACITEQVLTLVNKRI GLYRHFDETVNRYKQSRDISTLNSGKKSLE  
TEHKALTSEIALLQSRLKTEGSDLCDRVSEMQKLDAQVKE  
LVLKSAVEAERLVAGKLKDDTYIENEKLSGKRQELVTKIDHILDALTRTRPLEQKLISE  
EDLAANDILDYKDDDDKV

|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Families</b> | Transmembrane                                                                                                                                 |
| <b>Protein Pathways</b> | Metabolic pathways, N-Glycan biosynthesis                                                                                                     |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

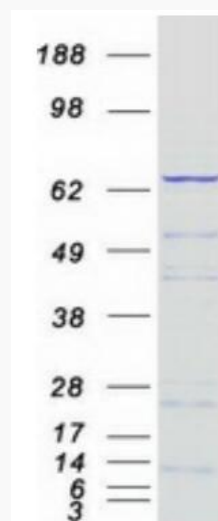
|                        |                                            |
|------------------------|--------------------------------------------|
| <b>Gene Name</b>       | RPN1 ribophorin I [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | RPN1                                       |
| <b>Synonyms</b>        | OST1; RBPH1                                |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                |             |
|----------------|-------------|
| Gene ID        | 6184        |
| mRNA Refseq    | NM_002950.4 |
| Protein Refseq | NP_002941.1 |
| MIM            | 180470      |
| UniProt ID     | P04843      |



Coomassie blue staining of purified RPN1 protein.