

# Human RPN1 Knockdown Cell Lysate

**Cat. No.** RPN1-421HKCL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	WB-validated RPN1 Knockdown HeLa Cell Lysate
<b>Species</b>	Human
<b>Source</b>	HeLa
<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>	Cell-Tissue Lysis buffer
<b>Molecular Mass</b>	69 kDa
<b>Notes</b>	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
<b>Storage</b>	Store at -20 centigrade for two years.
<b>Concentration</b>	Lot-specific

 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

<b>Shipping</b>	Blue Ice
<b>Components</b>	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg RPN1 KD HeLa cell lysate
<b>Protein Families</b>	Transmembrane
<b>Protein Pathways</b>	Metabolic pathways, N-Glycan biosynthesis
<b>Lysate QC</b>	RT-qPCR; Western Blotting (WB)

## GENE INFORMATION

<b>Gene Name</b>	RPN1 ribophorin I [ Homo sapiens (human) ]
<b>Official Symbol</b>	RPN1
<b>Synonyms</b>	RPN1; ribophorin I; dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1; oligosaccharyltransferase 1 homolog (S. cerevisiae); OST1; RPN-I; ribophorin-1; oligosaccharyltransferase 1 homolog; dolichyl-diphosphooligosaccharide-protein glycosyltransferase 67 kDa subunit; dolichyl-diphosphooligosaccharide--protein glycosyltransferase 67 kDa subunit; RBPH1; DKFZp686B16177;
<b>Gene ID</b>	6184
<b>mRNA Refseq</b>	NM_002950
<b>Protein Refseq</b>	NP_002941
<b>MIM</b>	180470

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UniProt ID

P04843

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