

# Recombinant Human RCN1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** RCN1-6631H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | RCN1 MS Standard C13 and N15-labeled recombinant protein (NP_002892) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | Reticulocalbin 1 is a calcium-binding protein located in the lumen of the ER. The protein contains six conserved regions with similarity to a high affinity Ca(+2)-binding motif, the EF-hand. High conservation of amino acid residues outside of these motifs, in comparison to mouse reticulocalbin, is consistent with a possible biochemical function besides that of calcium binding. In human endothelial and prostate cancer cell lines this protein localizes to the plasma membrane. |
| <b>Molecular Mass</b>   | 38.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MARGGRGRRLGLALGLLLALVLAAPRVLRKPTVRKERVVRPDSELGERPPEDNQSF<br>QYDHEAFLGKEDSKTFDQLTPDESKERLGKIVDRIDNDGDGFVTTEELKTWIKRVQK<br>RYIFDNVAKVWKDYDRDKDDKISWEEYKQATYGYLGNPAEFHDSSDHHTFKKMLP<br>RDERRFKAADLNGDLTATREEFTAFLLHPEEFHEHMKIEIVLETLEDIDKNGDGFVDQD<br>EYIADMFSHEENGPEPDWVLSEREQFNEFRDLNKGKLDKDEIRHWILPQDYDHAQ<br>AEARHLVYESDKNKDEKLTKEEILENWNMFVGSQATNYGEDLTKNHDELTRTRPLE<br>QKLISEEDLAANDILDYKDDDDKV                                                                                             |

 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>Purity</b>         | > 80% as determined by SDS-PAGE and Coomassie blue staining                                |
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

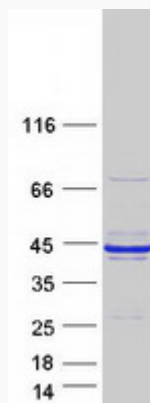
## GENE INFORMATION

|                        |                                                                                                                                                                                       |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | RCN1 reticulocalbin 1 [ Homo sapiens (human) ]                                                                                                                                        |
| <b>Official Symbol</b> | RCN1                                                                                                                                                                                  |
| <b>Synonyms</b>        | RCN1; reticulocalbin 1, EF-hand calcium binding domain; RCN; reticulocalbin-1; FLJ37041; PIG20; proliferation inducing gene 20; Rcal; proliferation-inducing gene 20; RCAL; FLJ55835; |
| <b>Gene ID</b>         | 5954                                                                                                                                                                                  |
| <b>mRNA Refseq</b>     | NM_002901                                                                                                                                                                             |
| <b>Protein Refseq</b>  | NP_002892                                                                                                                                                                             |
| <b>MIM</b>             | 602735                                                                                                                                                                                |
| <b>UniProt ID</b>      | Q15293                                                                                                                                                                                |

 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

**SDS-PAGE**

 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