

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

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

SPECIFICATION

Product Overview	RCN1 MS Standard C13 and N15-labeled recombinant protein (NP_002892) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	38.9 kDa
AA Sequence	MARGGRGRRLGLALGLLLALVLAAPRVLRKPTVRKERVVRPDSELGERPPEDNQSF QYDHEAFLGKEDSKTFDQLTPDESKERLGKIVDRIDNDGDGFVTTEELKTWIKRVQK RYIFDNVAKVWKDYDRDKDDKISWEEYKQATYGYLGNPAEFHDSSDHHTFKKMLP RDERRFKAADLNGDLTATREEFTAFHLPEEFEHMKIEIVLETLEDIDKNGDGFVDQD EYIADMFSHEENGPEPDWVLSEREQFNEFRDLNKGKLDKDEIRHWILPQDYDHAQ AEARHLVYESDKNKDEKLTKEEILENWNMFVGSQATNYGEDLTKNHDELTRTRPLE QKLISEEDLAANDILDYKDDDDKV

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

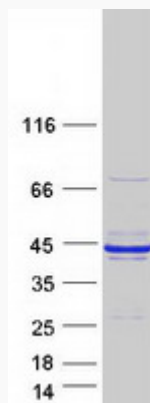
GENE INFORMATION

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

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SDS-PAGE

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