

Recombinant Full Length Human RCN1 Protein, C-Flag-tagged

Cat. No. RCN1-2142HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human RCN1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	35.8 kDa
AA Sequence	MARGGRGRRLGLALGLLLALVLAAPRVLRAKPTVRKERVVRPDSELGERPPEDNQSF QYDHEAFLGKEDSK TFDQLTPDESKERLGKIVDRIDNDGDGFVTTEELKTWIKRVQK RYIFDNVAKVWKDYDRDKDDKISWEEY KQATYGYLGNPAEFHDSSDHHTFKKML PRDERRFKAADLNGDLTATREEFTAFLHPEEFEHMKEIVVLE TLEDIDKNGDGFVDQ DEYIADMFSHEENGPEPDWVLSEREQFNEFRDLNKGKLDKDEIRHWILPQDYDH A QAEARHLVYESDKNKDEKLTKEEILENWNMFVGSQATNYGEDLTKNHDEL TRTRPL EQKLISEEDLAANDILDYKDDDDKV

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

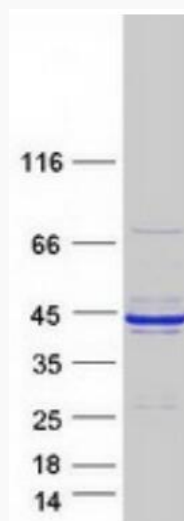
GENE INFORMATION

Gene Name	RCN1 reticulocalbin 1 [Homo sapiens (human)]
Official Symbol	RCN1
Synonyms	RCN; RCAL; PIG20; HEL-S-84
Gene ID	5954
mRNA Refseq	NM_002901.4
Protein Refseq	NP_002892.1
MIM	602735
UniProt ID	Q15293

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Coomassie blue staining of purified RCN1 protein.

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