

Recombinant Human RCN1, His-tagged

Cat. No. RCN1-31305TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human RCN1 with an N terminal His tag; 341 amino acids including tag, Predicted MWt 40.4kDa.
Species	Human
Source	E.coli
ProteinLength	302 amino acids
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.
Conjugation	HIS
Molecular Weight	40.400kDa inclusive of tags
Form	Liquid
Purity	by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 20mM Tris HCl, 100mM Sodium

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	chloride, 1mM DTT, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MRGSHHHHHHGMASMTGGQMQMRDLYDDDDKDRWGSELEKPTVRKERVVRPDS ELGERPPEDNQSFQYDHEAFLGKEDSKTFDQLTPDESKERLGKIVDRIDNDGDGFV TTEELKTWIKRVQKRYIFDNVAKVWKDYDRDKDDKISWEEYKQATYGYLGNPAEF HDSSDHHTFKKMLPRDERRFKAADLNGDLTATREEFTAFLHPEEFEHMKEIVVLETL EDIDKNGDGFVDQDEYIADMFSHEENGPEPDWVLSEREQFNEFRDLNKDGKLDKD EIRHWILPQDYDHAQAEARHLVYESDKNKDEKLTKEEILENWNMFVGSQATNYGED LTKNHDEL

GENE INFORMATION

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

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Chromosome Location	11p13
Function	calcium ion binding; protein binding;