

## Product datasheet for **AR09610PU-L**

### Reticulocalbin-1 / RCN1 (30-331, His-tag) Human Protein

#### Product data:

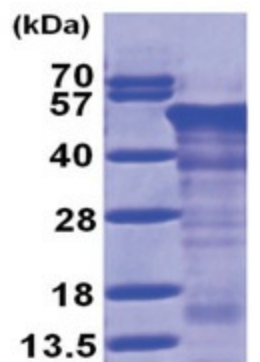
Product Type:	Recombinant Proteins
Description:	Reticulocalbin-1 / RCN1 (30-331, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MRGSHHHHHH</u> GMASMTGGQQ MGRDLYDDDD KDRWGSELEK PTVRKERVVR PDSELGERPP EDNQSFQYDH EAFLGKEDSK TFDQLTPDES KERLGKIVDR IDNDGDGFVT TEELKTWIKR VQKRYIFDNV AKVWKDYDRD KDDKISWEEY KQATYGYLLG NPAEFHDSSD HHTFFKMLPR DERRFKAADL NGDLTATREE FTAFLHPEEF EHMKEIVVLE TLEDIDKNGD GFVDQDEYIA DMFSHEENG EPDWVLSERE QFNEFRDLNK DGKLDKDEIR HWILPQDYDH AQAEARHLVY ESDKNKDEKL TKEEILENWN MFVGSQATNY GEDLTKNHDE L
Tag:	His-tag
Predicted MW:	40.4 kDa
Concentration:	lot specific
Purity:	>80% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT, 100 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human RCN1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_002892</u>
Locus ID:	5954
UniProt ID:	<u>Q15293</u> , <u>V9HW95</u>
Cytogenetics:	11p13


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**Synonyms:** HEL-S-84; PIG20; RCAL; RCN

**Summary:** 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  $\text{Ca}^{+2}$ -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.[provided by RefSeq, Jan 2009]

**Product images:**



15% SDS-PAGE (3ug)