

## 32-4626: Recombinant Human Reticulocalbin 1

**Alternative Name :** PIG20,RCAL,RCN.

### Description

Source : Escherichia Coli. RCN1 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 341 amino acids (30-331 a.a.) and having a molecular mass of 40.4kDa (real molecular weight on SDS-PAGE will be shift up). The RCN1 is fused to 39 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. RCN1 is a calcium-binding protein which binds calcium and controls calcium-dependent activities in the endoplasmic reticulum lumen or post-ER compartment. RCN1 withholds 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 relation to mouse reticulocalbin, is consistent with a biochemical function further to that of calcium binding. In human endothelial and prostate cancer cell lines RCN1 protein is localized to the plasma membrane.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 80.0% as determined by SDS-PAGE.
<b>Content :</b>	1mg/ml solution containing 20mM Tris-HCl pH-8, 1mM DTT, 0.1M NaCl & 10% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSELEK PTVRKERVVR PDSSELGERPP EDNQS FQYDH EAFLGKEDSK TFDQLTPDES KERLGKIVDR IDNDGDGFVT TEELKTWIKR VQKRYIFDNV AKVWKDYDRD KDDKISWEEY KQATYGYLG NPAEFHDSSD HHTFKKMLPR DERRFKAADL NGDLTATREE FTAFLHPEEF EHMKEIVVLE TLEDIDKNGD GFVDQDEYIA DMFSHEENGP EPDWVLSERE QFNEFRDLNK DGKLDKDEIR HWILPQDYDH AQAEARHLVY ESDKNKDEKL TKEEILENWN MFVGSQATNY GEDLTKNHDE L.

