9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

RCN1 Human

Reticulocalbin 1 Human Recombinant
RCP1835

Product Overview

Name	RCN1 Human
Description	
Reticulocalbin 1 Human Recombinant	
Accession (Primary)	Q15293
Synonyms	
PIG20, RCAL, RCN.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
1mg/ml solution containing 20mM Tris-HCl pH-8, 1mM DTT, 0.1M NaCl & 10% glycerol.	
Stability	
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.	
Purity	
Greater than 80.0% as determined by SDS-PAGE.	
Amino acid sequence	
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSELE K PTVRKERVVR PDSELGERPP EDNQSFQYDH EAFLGKEDSK TFDQLTPDES KERLGKIVDR IDNDGDGFVT TEELKTWIKR VQKRYIFDNV AKVWKDYDRD KDDKISWEEY KQATYGYYLG NPAEFHDSSD HHTFKKMLPR DERRFKAADL NGDLTATREE FTAFLHPEEF EHMKEIVVLE TLEDIDKNGD GFVDQDEYIA DMFSHEENGP EPDWVLSERE QFNEFRDLNK DGKLDKDEIR	

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HWILPQDYDH AQAEARHLVY ESDKNKDEKL TKEEILENWN MFVGSQATNY GEDLTKNHDE L.

Precautions

RCN1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q15293)