



# Recombinant Rat Reticulocalbin-2 (Rcn2)

<b>Product Code</b>	CSB-YP717276RA
<b>Abbreviation</b>	Rcn2
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q62703
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	SKAEE LHYPQGEHRA DYDRETLG V QEDVDEYVKL GHEEQRRRLQ SIIKKIDSDS DGFLTENELS QWIQMSFKHY AMQEAKQQFV EYDKNSDGTV TWDEYNVQMY DRVIDFDENT ALDDTEEESF RQLHLKDKKR FEKANQDSGP GLNLEEFIAF EHPEEVDYMT EFVIQEALEE HDKNGDGFVS LEEFLGDYRR DPTANEDPEW ILVEKDRFVN DYDKDSDGRL DPQELLSWVV PNNQGIAQEE ALHLIDEMDL NSDKKLSEEE ILENQDLFLT SEATDYGRQL HDDYFYHDEL
<b>Source</b>	Yeast
<b>Target Names</b>	Rcn2
<b>Protein Names</b>	Recommended name: Reticulocalbin-2 Alternative name(s): Calcium-binding protein ERC-55 Taipoxin-associated calcium-binding protein 49 Short name=TCBP-49
<b>Expression Region</b>	26-320
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This protein 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. This gene maps to the same region as type 4 Bardet-Biedl syndrome, suggesting a possible causative role for this gene in the disorder.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.



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