

## 32-4627: Recombinant Human Reticulocalbin 2

**Alternative Name :** Reticulocalbin-2, Calcium-binding protein ERC-55, E6-binding protein, 6BP, RCN2, ERC55, E6BP, ERC-55, TCBP49.

### Description

Source : Escherichia Coli. RCN2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 313 amino acids (26-317 a.a.) and having a molecular mass of 36.8kDa (Molecular weight on SDS-PAGE will appear higher). RCN2 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Reticulocalbin-2 (RCN2) is a member of the CREC protein family. RCN2 is a calcium-binding protein found in the lumen of the ER. RCN2 contains 6 conserved regions with similarity to a high affinity Ca(+2)-binding motif, the EF-hand.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** The RCN2 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 1mM DTT.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MEELHYPLGE RRSYDREAL LGVQEDVDEY VKLGHEEQQK RLQAIKKID  
LDSGFLTES ELSSWIQMSF KHYAMQEAKQ QFVEYDKNSD DTVTWDEYNI QMYDRVIDFD  
ENTALDDAEE ESFRKLHLKD KKRFEKANQD SGPGLSLEEF IAFEHPPEVDYMTFVIQEA LEEHDKNGDG  
FVSLEEFGLD YRWDPTANED PEWILVEKDR FVNDYDKDND GRLDPOQLLP WVPNNQGIA QEEALHLIDE  
MDLNGDKKLS EEEILENPDL FLTSEATDYG RQLHDDYFYH DEL.

