

Recombinant Human RCN2, His-tagged

Cat. No. RCN2-3496H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RCN2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
ProteinLength	26-317 aa
Description	RCN2, also known as reticulocalbin-2, is belongs to the CREC protein family. RCN2 is a calcium-binding protein located in the lumen of the ER. This protein contains six conserved regions with similarity to a high affinity Ca(+2)-binding motif, the EF-hand.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 1mM DTT
Molecular Weight	36.8 kDa (313aa) confirmed by MALDI-TOF(Molecular weight on SDS-PAGE will appear higher)
Purity	> 90% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MEELHYPLGE RRSYDREAL LGVQEDVDEY VKLGHEEQK RLQAIKKID LDSDGFLTES ELSSWIQMSFKHYAMQEAKQ QFVEYDKNSD DTVTWDEYNI QMYDRVIDFD ENTALDDAEE ESFRKLHLKD

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KKRFEKANQD SGPGLSLEEF IAFEHPPEVDYMTEFVIQEA LEEHDKNGDG
FVSLEEFLGD YRWDPTANED PEWILVEKDR FVNDYDKDND GRLDPQELLP
WVVPNNQGIA QEEALHLIDEMDLNGDKKLS EEEILENPDL FLTSEATDYG
RQLHDDYFYH DEL

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

RCN2 reticulocalbin 2, EF-hand calcium binding domain [Homo sapiens]

Synonyms

RCN2; E6BP; ERC55; ERC-55; TCBP49; reticulocalbin-2; E6-binding protein; calcium-binding protein ERC-55; reticulocalbin 2, EF-hand calcium binding domain (endoplasmic reticulum calcium-binding protein, 55kD)

Gene ID

5955

mRNA Refseq

NM_002902

Protein Refseq

NP_002893

MIM

602584

UniProt ID

Q14257

**Chromosome
Location**

15q23

Function

calcium ion binding

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