

Recombinant human RCN2 protein

Catalog Number: ATGP0996

PRODUCT INFORMATION

Expression system

E.coli

Domain

26-317aa

UniProt No.

Q14257

NCBI Accession No.

NP_002893

Alternative Names

Reticulocalbin-2, E6BP, ERC55

PRODUCT SPECIFICATION

Molecular Weight

36.8 kDa (313aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human RCN2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MEELHYPLGE RRSYDREAL LGVQEDVDEY VKLGHEEQK RLQAIKKID LDSDGFLTES

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ELSSWIQMSF KHYAMQEAKQ QFVEYDKNSD DTVTWDEYNI QMYDRVIDFD ENTALDDAEE ESRKLHLKD KKRFEKANQD
SGPGLSLEEF IAFEHPPEVD YMTEFVIQEA LEEHDKNGDG FVSLEEFLGD YRWDPTANED PEWILVEKDR FVNDYDKDND
GRLDPQELLP WVPNNQGIA QEEALHLIDE MDLNGDKKLS EEEILENPDL FLTSEATDYG RQLHDDYFYH DEL

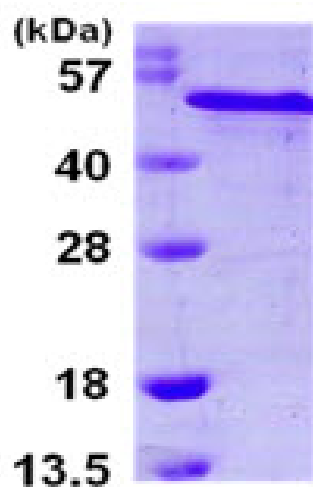
General References

Ludvigsen M, et al. (2009) Proteomics. 9(23):5267-87

Wang JY, et al. (1997) Cytogenet Cell Genet. 79(1-2):60-1

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)