

Recombinant human RCN3 protein

Catalog Number: ATGP1434

PRODUCT INFORMATION

Expression system

E.coli

Domain

21-328aa

UniProt No.

Q96D15

NCBI Accession No.

NP_065701

Alternative Names

Reticulocalbin 3, RLP49

PRODUCT SPECIFICATION

Molecular Weight

37.9 kDa (333aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

Purity

> 95% 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

Reticulocalbin 3, also known as RCN3, is a member of the CREC (cab45/reticulocalbin/ ERC45/calumenin) family. RCN3 contains five Arg-Xaa-Xaa-Arg motifs, which function as target sequences of SPCs (subtilisin-like proprotein convertases), a family of serine endoproteases that proteolytically activate proproteins. The synthesis of one such member, PACE4 (paired basic amino acid cleaving enzyme 4), is influenced by association and coexpression with reticulocalbin-3. Recombinant human RCN3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Recombinant human RCN3 protein

Catalog Number: ATGP1434

Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSHMKPSPD AGPHGQGRVH QAAPLSDAPH DDAHGNFQYD HEAFLGREVA
KEFDQLTPEE SQARLGRIVD RMDRAGDGDG WVSLAELRAW IAHTQQRHIR DSVSAAWDY DTDRDGRVGV
EELRNATYGH YAPGEEFHVD EDAETYKML ARDERRFRVA DQDGDSMATR EELTAFLHPE EFPHMRDIVI AETLEDLDRN
KDGYYQVEEY IADLYSAEPG EEPAAWVQTE RQQRDFRDL NKDGHLDGSE VGHWWLPPAQ DQPLVEANHL LHESDTDKDG
RLSKAEILGN WNMFGVSQAT NYGEDLTRHH DEL

General References

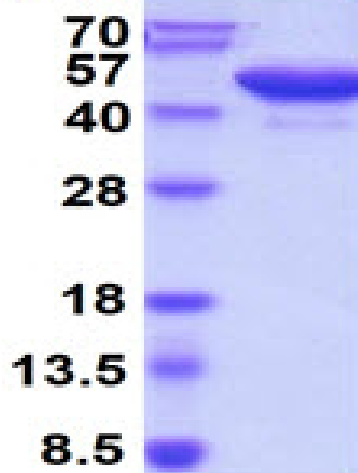
Teglund S., et al. (1994) Genomics. 23:669-684.

Tsuji A., et al. (2006) Biochem J. 396:51-59.

DATA

SDS-PAGE

(kDa)



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

15% SDS-PAGE (3ug)