

Recombinant Human Reticulocalbin 3, EF-Hand Calcium Binding Domain, His-tagged

Cat. No. RCN3-5548H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinanthuman RCN3protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
ProteinLength	21-328aa
Description	RCN3 is a member of the CREC (cab45/reticulocalbin/ERC45/calumenin) family. RC N3 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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl.
Molecular Weight	37.9 kDa(333aa) confirmed by MALDI-TOF
Purity	> 95% by SDS-PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of	MGSSHHHHHSSGLVPRGSH MGSHMKPSPD AGPHGQGRVH QAAPLSDAPH

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

aminoacids

DDAHGNFQYDHEAFLGREVA KEFDQLTPEE SQARLGRIVD
 RMDRAGDGDGWVSLAELRAW IAHTQQRHIR DSVSAAWDY DTDRDGRVGW
 EELRNATYGH YAPGEEFHDV EDAETYKKMLARDERRFRVA DQDGDSMATR
 EELTAFLHPE EFPHMRDIVI AETLEDLDRN KDG YVQVEEY
 IADLYSAEPGEEEPAAVQTE RQQFRDFRDL NKDGHLDGSE
 VGHWWLPPAQDQPLVEANHL LHESD TDKDG RLSKAEILGN WNMFVGSQAT
 NYGEDLTRHH DEL

Storage

Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoidrepeated freezing and thawing cycles.

GENE INFORMATION

Gene Name RCN3 reticulocalbin 3, EF-handcalcium binding domain [Homo sapiens]

Official Symbol RCN3

Synonyms RCN3; reticulocalbin3, EF-hand calcium binding domain; RLP49; reticulocalbin-3;reticulocabin; EF-hand calcium-binding protein RLP49

Gene ID 57333

mRNA Refseq NM_020650

Protein Refseq NP_065701

UniProt ID Q96D15

Chromosome Location 19q13.33

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Function	calciumion binding; protein binding
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