

Datasheet for ABIN7317231

RCN3 Protein (AA 1-324) (His tag)



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Overview

Quantity:	100 µg
Target:	RCN3
Protein Characteristics:	AA 1-324
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RCN3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Reticulocalbin 3/RCN3 Protein (aa 1-324, His Tag)
Sequence:	Met 1-His324
Characteristics:	A DNA sequence encoding the human RCN3 (Q96D15) (Met1-His324) was expressed with a polyhistidine tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	RCN3
Alternative Name:	Reticulocalbin 3/RCN3 (RCN3 Products)
Background:	Background: RCN3 belongs to the CREC family which contains multiple EF-hand Ca ²⁺ -binding

Target Details

proteins localized to the secretory pathway. RCN3 sequence is characterized by the presence of five Arg-Xaa-Xaa-Arg motifs, which represents the target sequence of subtilisin-like proprotein convertases (SPCs). SPCs are a family of seven structurally related serine endoproteases that are involved in the proteolytic activation of proproteins. RCN3 is transiently associated with proPACE4, but not with mature PACE4. Inhibition of PACE4 maturation by a Ca^{2+} ionophore resulted in accumulation of the proPACE4-RCN-3 complex in cells. It has been proposed that elective and transient association of RCN3 with the precursor of PACE4 plays an important role in the biosynthesis of PACE4.

Synonym: Reticulocalbin-3, EF-Hand Calcium-Binding Protein RLP49, RCN3

Molecular Weight: 36.2 kDa

UniProt: [Q96D15](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.