

Datasheet for ABIN7320014

RCN3 Protein (His tag)**1** Image[Go to Product page](#)

Overview

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

Product Details

Purpose:	Recombinant Mouse Reticulocalbin 3/RCN3 Protein (His Tag)
Sequence:	Met1-Leu328
Characteristics:	A DNA sequence encoding the mouse Rcn3 (NP_080831.2) (Met1-Leu328) was expressed with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by 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 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

Target Details

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 Ca²⁺ 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: 6030455P07Rik,D530026G20Rik,D7Ert671e,RLP49

Molecular Weight: 36.9 kDa

NCBI Accession: [NP_080831](#)

Application Details

Restrictions: For Research Use only

Handling

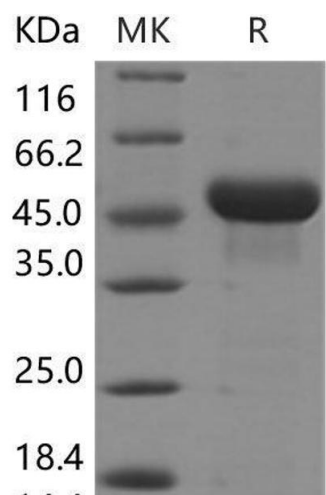
Format: Lyophilized

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.



Western Blotting

Image 1.