

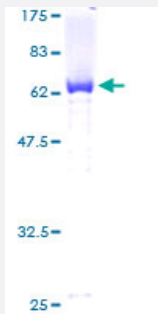
Full-Length

RCN1 (Human) Recombinant Protein (P01)

Catalog # H00005954-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human RCN1 full-length ORF (AAH10120, 31 a.a. - 331 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

PTVRKERVVRPDSELGERPPEDNQSFQYDHEAFLGKEDSKTFDQLTPDESKERLGKIVDRIDND
GDGFVTTEELKTWIKRVQKRYFDNVAKVWKDYDRDKDDKISWEEKQATYGYLGNPAEFHDSS
DHHTFKKMLPRDERRFKAADLNGDLTATREEFTAFHPEEFHEMKEIVVLETLEDIDKNGDGFVD
QDEYADMFSHEENGPEPDWVLSEREQFNEFRDLNKDGKLDKDEIRHWILPQDYDHAQAEARHL
VYESDKNKDEKLTKEEILENWNMFVGSQATNYGEDLTKNHDEL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

58.63

Interspecies Antigen Sequence

Mouse (96); Rat (96)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — RCN1

Entrez GeneID[5954](#)**GeneBank Accession#**[BC010120](#)**Protein Accession#**[AAH10120](#)**Gene Name**

RCN1

Gene Alias

FLJ37041, PIG20, RCAL, RCN

Gene Description

reticulocalbin 1, EF-hand calcium binding domain

Omim ID[602735](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Reticulocalbin 1 is a calcium-binding protein located in the lumen of the ER. The protein contains six conserved regions with similarity to a high affinity Ca(+2)-binding motif, the EF-hand. High conservation of amino acid residues outside of these motifs, in comparison to mouse reticulocalbin, is consistent with a possible biochemical function besides that of calcium binding. In human endothelial and prostate cancer cell lines this protein localizes to the plasma membrane

Other Designations

proliferation-inducing gene 20|reticulocalbin 1