



Recombinant Protein Technical Manual
Recombinant Human Reticulocalbin 3/RCN3 Protein
(aa 21-328, His Tag)
RPES1337

Product Data:

Product SKU: RPES1337

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q96D15

Protein Information:

Molecular Mass: 36.2 kDa

AP Molecular Mass: 43 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 1mM DTT, 10% Glycerol, pH 7.4.

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

Application:

Synonyms: Reticulocalbin-3; EF-Hand Calcium-Binding Protein RLP49; RCN3

Immunogen Information:

Sequence: Lys21-Leu328

Background:

Reticulocalbin-3 is a member of the CREC family that is involved in the secretory pathway. Members of the CREC family consist of a number of multiple EF-hand domains. Reticulocalbin-3 localizes to the endoplasmic reticulum lumen. The bioinformatic analysis of Reticulocalbin-3 reveal that it is a putative Ca²⁺-binding protein. In addition, it has been shown that autoactivation and secretion of PACE4 was increased upon co-expression with Reticulocalbin-3. The proPACE4-RCN-3 complex is plays an important role in the biosynthesis of PACE4.