

Recombinant Mouse Rcn3 Protein, Myc/DDK-tagged

Cat. No. Rcn3-5439M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length reticulocalbin 3, EF-hand calcium binding domain (Rcn3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Probable molecular chaperone assisting protein biosynthesis and transport in the endoplasmic reticulum. Required for the proper biosynthesis and transport of pulmonary surfactant-associated protein A/SP-A, pulmonary surfactant-associated protein D/SP-D and the lipid transporter ABCA3. By regulating both the proper expression and the degradation through the endoplasmic reticulum-associated protein degradation pathway of these proteins plays a crucial role in pulmonary surfactant homeostasis. Has an anti-fibrotic activity by negatively regulating the secretion of type I and type III collagens. This calcium-binding protein also transiently associates with immature PCSK6 and regulates its secretion.
Molecular Mass	38 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Rcn3 reticulocalbin 3, EF-hand calcium binding domain [Mus musculus (house mouse)]

Official Symbol Rcn3

Synonyms RCN3; reticulocalbin 3, EF-hand calcium binding domain; reticulocalbin-3; RLP49; D7Erttd671e; 6030455P07Rik; D530026G20Rik; MGC102610

Gene ID 52377

mRNA Refseq NM_026555

Protein Refseq NP_080831

UniProt ID Q8BH97

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