

Product datasheet for PH303708

OriGene Technologies, Inc.

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Reticulocalbin 3 (RCN3) (NM 020650) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

Description: RCN3 MS Standard C13 and N15-labeled recombinant protein (NP_065701)

Species: Human **HEK293 Expression Host: Expression cDNA Clone**

or AA Sequence:

RC203708

Predicted MW: 37.5 kDa

>RC203708 protein sequence **Protein Sequence:**

Red=Cloning site Green=Tags(s)

MMWRPSVLLLLLLRHGAQGKPSPDAGPHGQGRVHQAAPLSDAPHDDAHGNFQYDHEAFLGREVAKEFDQ LTPEESQARLGRIVDRMDRAGDGDGWVSLAELRAWIAHTQQRHIRDSVSAAWDTYDTDRDGRVGWEELRN ATYGHYAPGEEFHDVEDAETYKKMLARDERRFRVADQDGDSMATREELTAFLHPEEFPHMRDIVIAETLE DLDRNKDGYVQVEEYIADLYSAEPGEEEPAWVQTERQQFRDFRDLNKDGHLDGSEVGHWVLPPAQDQPLV

EANHLLHESDTDKDGRLSKAEILGNWNMFVGSQATNYGEDLTRHHDEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration: >0.05 µg/µL as determined by microplate BCA method

Labeling Method: Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-Lysine

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3

Store at -80°C. Avoid repeated freeze-thaw cycles. Storage:

Stability: Stable for 3 months from receipt of products under proper storage and handling conditions.

RefSeq: NP 065701

RefSeq Size: 1882 RefSeq ORF: 984 RLP49 Synonyms: Locus ID: 57333



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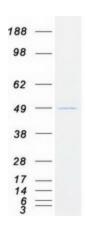
UniProt ID: Q96D15

Cytogenetics: 19q13.33

Summary: Probable molecular chaperone assisting protein biosynthesis and transport in the

endoplasmic reticulum (PubMed:16433634, PubMed:28939891). 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 similarity). 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 (By similarity). Has an anti-fibrotic activity by negatively regulating the secretion of type I and type III collagens (PubMed:28939891). This calciumbinding protein also transiently associates with immature PCSK6 and regulates its secretion (PubMed:16433634).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified RCN3 protein (Cat# [TP303708]). The protein was produced from HEK293T cells transfected with RCN3 cDNA clone (Cat# [RC203708]) using MegaTran 2.0 (Cat# [TT210002]).