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Datasheet for ABIN1096431

**CRNN Protein (AA 1-140) (His tag)**

## Overview

Quantity:	50 µg
Target:	CRNN
Protein Characteristics:	AA 1-140
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CRNN protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human Cornulin (N-6His)
Sequence:	MGSSHHHHHH SSSLVPRGSH MPQLLQNING IIEAFRRYAR TEGNCTALTR GELKRLLEQE FADVIVKPHD PATVDEVRLRL LDEDHTGTVE FKEFLVLVFK VAQACFKTLS ESAEGACGSQ ESGSLHSGAS QELGEGQRSG TEVGRAGKGQ HYGSSSHRQS
Characteristics:	Recombinant Human Cornulin is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Ser140) of Human Cornulin fused with a His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

Target:	CRNN
Alternative Name:	cornulin ( <a href="#">CRNN Products</a> )
Sub Type:	Fusionprotein
Background:	<p>Cornulin is a member of the fused gene family of molecular chaperones. Human Cornulin contains N-terminus EF-hand domains and Ca<sup>2+</sup> binding domains, and two glutamine- and threonine-rich 60 amino acid repeats in its C-terminus. Cornulin involves in the mucosal/epithelial immune response and epidermal differentiation. Cornulin is a survival factor that participates in the clonogenicity of squamous esophageal epithelium cell lines, attenuates deoxycholic acid (DCA)-induced apoptotic cell death and release of calcium. When Cornulin is overexpressed in oral squamous carcinoma cell lines, it regulates negatively cell proliferation by the induction of G1 arrest.</p> <p>Alternative Names: Cornulin, 53 kDa Putative Calcium-Binding Protein, 53 kDa Squamous Epithelial-Induced Stress Protein, 58 kDa Heat Shock Protein, Squamous Epithelial Heat Shock Protein 53, Tumor-Related Protein, CRNN, C1orf10, DRC1, PDRC1, SEP53</p>
Molecular Weight:	17.45 kDa
UniProt:	<a href="#">Q9UBG3</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH<sub>2</sub>O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at &lt; -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>

## Handling

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Expiry Date: 3 months