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Datasheet for ABIN7318337 CRNN Protein (His tag)

Overview

Quantity:	50 µg
Target:	CRNN
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/CRNN Protein (His Tag)
Sequence:	Met 1-Ser140
Characteristics:	Recombinant Human Cornulin is produced by our E.coli expression system and the target gene encoding Met1-Ser140 is expressed with a 6His tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CRNN
Alternative Name:	Cornulin/CRNN (CRNN Products)
Background:	Background: Cornulin is a member of the fused gene family of molecular chaperones. Human Cornulin contains N-terminus EF-hand domains and Ca ²⁺ binding domains, and two glutamine- and threonine-rich 60 amino acid repeats in its C-terminus. Cornulin involves in the

Target Details

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.

Synonym: 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

Molecular Weight:	17.5 kDa
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UniProt:	Q9UBG3
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
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Storage:	4 °C,-20 °C,-80 °C
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Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
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