## 32-7102: Recombinant Human Cornulin (N-6His)

## Gene: CRNN

Gene ID: 49860
Uniprot ID : Q9UBG3

## Description

Source: E.coli.
MW :17.45kD.
Recombinant Human Cornulin is produced by our E.coli expression system and the target gene encoding Met1-Ser140 is expressed with a 6 His tag at the N -terminus. Cornulin is a member of the fused gene family of molecular chaperones. Human Cornulin contains N-terminus EF-hand domains and Ca2+ 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.

## Product Info

## Amount :

Content:

## Storage condition :

Amino Acid :

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10 \mu \mathrm{~g} / 50 \mu \mathrm{~g}
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Lyophilized from a $0.2 \mu \mathrm{~m}$ filtered solution of $20 \mathrm{mM} \mathrm{PB}, 150 \mathrm{mM} \mathrm{NaCl}, \mathrm{pH} 7.2$.
Lyophilized protein should be stored at $-20^{\circ} \mathrm{C}$, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at $4-7^{\circ} \mathrm{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at $-20^{\circ} \mathrm{C}$ for 3 months.
MGSSHHHHHHSSGLVPRGSHMPQLLQNINGIIEAFRRYARTEGNCTALTRGELKRLLEQEFADVIV KPHDPATVDEVLRLLDEDHTGTVEFKEFLVLVFKVAQACFKTLSESAEGACGSQESGSLHSGASQ ELGEGQRSGTEVGRAGKGQHYEGSSHRQS

## Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than $100 \mathrm{~A} \mu \mathrm{~g} / \mathrm{ml}$. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Endotoxin : Less than $0.1 \mathrm{ng} / \hat{A} \mu \mathrm{~g}(1 \mathrm{IEU} / \hat{A} \mu \mathrm{~g})$ as determined by LAL test.

