

## 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 6His 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 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MGSSHHHHHSSGLVPRGSHMPQLLQNINGIIEAFRRYARTEGNCTALTRGELKRLLLEQEFADVIVKPHDPATV  
DEVLRLLEDHTGTVEFKEFLVLFKVAQACFKTLESAEGACGSQESGSLHSGASQELGEGQRSRGTEVGRAG  
KGQHYEGSSHRQS

### 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 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.