

**Recombinant Human Cornulin Protein(N-6His)**

**Cat.NO.: TP05295**

3th Edition

**Synonyms:**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

**Description:**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.

**Form:**PBS

**Molecular Weight:**17.5 kDa

**Sequences:**Met 1-Ser140

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.