9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

# CRNN Human

*Cornulin Human Recombinant*
*RCP0533*

## Product Overview

| | |
|---|---|
| Name | CRNN Human |
| **Description** | |
| Cornulin Human Recombinant | |
| Accession (Primary) | Q9UBG3 |
| **Synonyms** | |
| SEP53, DRC1, PDRC1, Cornulin, Tumor-related protein, Squamous epithelial heat shock protein 53, 53 kDa squamous epithelial-induced stress protein, 58 kDa heat shock protein, 53 kDa putative calcium-binding protein, CRNN, C1orf10. | |
| **Introduction** | |
| CRNN is part of the "fused gene" family of proteins, which enclose N-terminus EF-hand domains and multiple tandem peptide repeats. CRNN contains two EF-hand Ca2+ binding domains in its N-terminus and two glutamine- and threonine-rich 60 amino acid repeats in its C-terminus. CRNN, also known as SEP53, which participates in the mucosal/epithelial immune response and epidermal differentiation. CRNN is a survival factor that participates in the clonogenicity of squamous esophageal epithelium cell lines, attenuates deoxycholic acid (DCA)-induced apoptotic cell death and discharge of calcium. When CRNN is over expressed in oral squamous carcinoma cell lines, it regulates negatively cell proliferation by the induction of G1 arrest. | |
| **Source** | |
| Escherichia Coli. | |
| **Physical Appearance** | |
| Sterile Filtered clear colorless solution. | |
| **Formulation** | |
| The CRNN solution contains 20mM Tris-HCl pH-8 and 10% glycerol. | |
| **Stability** | |
| Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze-thaw cycles. | |
| **Purity** | |
| Greater than 85% as determined by SDS-PAGE. | |
| **Amino acid sequence** | |

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MGSSHHHHHH SSGLVPRGSH MPQLLQNING IIEAFRRYAR TEGNCTALTR GELKRLLEQE FADVIVKPHD PATVDEVLRL LDEDHTGTVE FKEFLVLVFK VAQACFKTLS ESAEGACGSQ ESGSLHSGAS QELGEGQRSG TEVGRAGKGQ HYEGSSHRQS QQGSRGQNRP GVQTQGQATG SAWVSSYDRQ AESQSQERIS PQIQLSGQTE QTQKAGEGKR NQTTEMRPER QPQTREQDRA HQTGETVTGS GTQTQAGATQ TVEQDSSHQT GRTSKQTQEA TNDQNRGTET HGQGRSQTSQ AVTGGHAQIQ AGTHTQTPTQ TVEQDSSHQT GSTSTQTQES TNGQNRGTEI HGQGRSQTSQ AVTGGHTQIQ AGSHTETVEQ DRSQTVSHGG AREQGQTQTQ PGSGQRWMQV SNPEAGETVP GGQAQTGAST EPGRQEWSST HPRRCVTEGQ GDRQPTVVGE EWVDDHSRET VILRLDQGNL HTSVSSAQGQ DAAQSEEKRG ITARELYSYL RSTKP.

**Precautions**

CRNN Human is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( Q9UBG3 )