

Recombinant Human Cornulin, His-tagged

Cat. No. CRNN-2029H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CRNN protein with his tag was expressed in <i>E. coli</i> and purified by using conventional chromatography techniques, 55.7 kDa (515aa).
Species	Human
Source	<i>E. coli</i>
Description	CRNN is a member of the "fused gene" family of proteins, which contain N-terminus EF-hand domains and multiple tandem peptide repeats. It contains two EF-hand Ca ²⁺ binding domains in its N-terminus and two glutamine- and threonine-rich 60 amino acid repeats in its C-terminus. This protein, also Known as 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 overexpressed in oral squamous carcinom cell lines, regulates negatively cell proliferation by the induction of G1 arrest.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol.
Purity	> 85% by SDS - PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MPQLLQNING IIEAFRRYAR TEGNCTALTR GELKRLLQE FADVIVKPHD PATVDEVRLR LDEDHTGTVE FKEFLVLVFK VAQACFKTLS ESAEGACGSQ ESGSLHSGAS QELGEGQRSG TEVGRAGKGQ

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HYEGSSHRQS QQGSRGQNRP GVQTQGQATGSAWSSYDRQ AESQSQERIS
PQIQLSGQTE QTQKAGEGKR NQTTEMRPER QPQTREQDRA HQTGETVTGS
GTQTQAGATQ TVEQDSSHQT GRTSKQTQEA TNDQNRGTET HGQGRSQT SQ
AVTGGHAQIQ AGTHTQTPTQ TVEQDSSHQT GSTSTQTQES TNGQNRGTEI
HGQGRSQT SQAVTGGHTQIQ AGSHTETVEQ DRSQTVSHGG AREQGQTQTQ
PGSGQRWMQV SNPEAGETVP GGQAQTGAST EPGRQEWSST HPRRCVTEGQ
GDRQPTVVGE EWVDDHSRET VILRLDQGNL HTSVSSAQGQ DAAQSEEKRG
ITARELYSYL RSTKP.

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.

GENE INFORMATION
Gene Name

CRNN cornulin [*Homo sapiens*]

Synonyms

Cornulin; DRC1; PDRC1; SEP53; C1orf10; CRNN; tumor-related protein; 58 kDa heat shock protein; 53 kDa putative calcium-binding protein; squamous epithelial heat shock protein 53; 53 kDa squamous epithelial-induced stress protein; Squamous epithelial heat shock protein 53; Tumor-related protein; chromosome 1 open reading frame 10

Gene ID

49860

mRNA Refseq

NM_016190

Protein Refseq

NP_057274

MIM

611312

UniProt ID

Q9UBG3

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Chromosome Location	1q21
Function	calcium ion binding