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*E.coli*and purified by using conventional chromatography techniques, 55.7 kDa (515aa).
Species	Human
Source	E.coli
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 Ca2+ 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 GELKRLLEQE FADVIVKPHD PATVDEVLRL LDEDHTGTVE FKEFLVLVFK VAQACFKTLS ESAEGACGSQ ESGSLHSGAS QELGEGQRSG TEVGRAGKGQ

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	HYEGSSHRQS QQGSRGQNRP GVQTQGQATGSAWVSSYDRQ AESQSQERIS PQIQLSGQTE QTQKAGEGKR NQTTEMRPER QPQTREQDRA HQTGETVTGS GTQTQAGATQ TVEQDSSHQT GRTSKQTQEA TNDQNRGTET HGQGRSQTSQ AVTGGHAQIQ AGTHTQTPTQ TVEQDSSHQT GSTSTQTQES TNGQNRGTEI HGQGRSQTSQAVTGGHTQIQ 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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Chromosome Location	1q21
Function	calcium ion binding

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA