CRNN Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	CRNN, Lysate
Full Product Name	Human CRNN Protein Lysate
Product Gene Name	CRNN lysate
Product Synonym Names	CRNN; C1orf10; DRC1; PDRC1; SEP53
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	52kDa
OMIM	611312
3D Structure	ModBase 3D Structure for Q9UBG3
Related Product Information for CRNN lysate	Human CRNN Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of CRNN lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CRNN purchase	MBS139923 is a lysate targeting CRNN. Also known as Human CRNN Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CRNN. It may not necessarily be applicable to this product.

NCBI GI #	7706635
NCBI GeneID	49860
NCBI Accession #	NP_057274
UniProt Primary Accession #	Q9UBG3
UniProt Related Accession #	Q9UBG3
GenBank Nucleotide #	NM_016190
NCBI Official Full Name	cornulin
NCBI Official Synonym Full Names	cornulin
NCBI Official Symbol	CRNN
NCBI Official Synonym Symbols	DRC1; PDRC1; SEP53; C1orf10
UniProt Protein Name	Cornulin
UniProt Synonym Protein Names	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

Protein Family	Cornulin
UniProt Gene Name	CRNN
UniProt Synonym Gene Names	C1orf10; DRC1; PDRC1; SEP53
UniProt Entry Name	CRNN_HUMAN
NCBI Protein Information	cornulin
NCBI Summary for CRNN	This gene encodes a member of the "fused gene" family of proteins, which contain N-terminus EF-hand domains and multiple tandem peptide repeats. The encoded protein 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 gene, also known as squamous epithelial heat shock protein 53, may play a role in the mucosal/epithelial immune response and epidermal differentiation. [provided by RefSeq, Jan 2009]
UniProt Comments for CRNN	CRNN: 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. Belongs to the S100-fused protein family. Chromosomal Location of Human Ortholog: 1q21 Cellular Component: membrane; cytoplasm Molecular Function: calcium ion binding Biological Process: cell-cell adhesion; response to heat
Research Articles on CRNN	**1.** This study showed a significant correlation between LOH/MSI at 1q21.3 with clinical outcomes and that downregulation of CRNN gene could be considered as a prognostic marker of OSCC.
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