

# Recombinant Human CRNN Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** CRNN-4881H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | CRNN MS Standard C13 and N15-labeled recombinant protein (NP_057274) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | 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 Ca <sup>2+</sup> 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. |
| <b>Molecular Mass</b>   | 53.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | MPQLLQNINGIIEAFRRYARTEGNCTALTRGELKRLLEQEFADVIVKPHDPATVDEVLRLLDEDHTGTVEFKEFLVLVFKVAQACFKTLSESAEGACGSQESGSLHSGASQELGEGQRSGTEVGRAGKGQHYEGSSHRQSQQGSRGQNRPGVQTQGQATGSAWVSSYDRQAESQSQERISPIQLSGQTEQTQKAGEGKRNQTTEMRPERQPQTREQDRAHQTGETVTGSGTQTQAGATQTVEQDSSHQTGRTSKQTQEATNDQNRGTETHGQGRSQTSAVTGGHAQIQAGHTQTPTQTVEQDSSHQTGSTSTQTQESTNGQNRGTEIHGQGRSQTSAVTGGHTQIQAGSHTETVEQDRSQTVSHGGAREQGQTQTQPGSG                                                                                             |

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QRWMQVSNPEAGETVPGGQAQTGASTEPGRQEWSSSTHPRRCVTEGQGDRQPTV  
 VGEEWVDDHSRETIVLRDLQGNLHTSVSSAQGGQDAAQSEEKRGITARELYSYLRST  
 KPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** CRNN cornulin [ Homo sapiens (human) ]

**Official Symbol** CRNN

**Synonyms** CRNN; cornulin; C1orf10, chromosome 1 open reading frame 10; SEP53; 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; DRC1; PDRC1; C1orf10;

**Gene ID** 49860

**mRNA Refseq** NM\_016190

**Protein Refseq** NP\_057274

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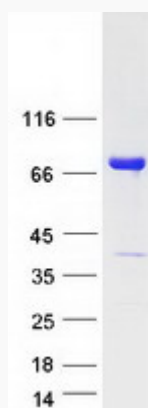
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MIM 611312

UniProt ID Q9UBG3

SDS-PAGE



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