

Product datasheet for **RG204641**

Cornulin (CRNN) (NM_016190) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cornulin (CRNN) (NM_016190) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CRNN
Synonyms:	C1orf10; DRC1; PDRC1; SEP53
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG204641 representing NM_016190
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTCAGTTACTGCAAAACATTAATGGGATCATCGAGGCCTTCAGGCGCTATGCAAGGACGGAGGGCA
 ACTGCACAGCGCTCACCCGAGGGGAGCTGAAAAGACTCTTGAGCAAGAGTTGCCGATGTGATTGTGAA
 ACCCCACGATCCAGCAACTGTGGATGAGGTCTGCGTCTGCTGGATGAAGACCACACAGGGACTGTGGAA
 TTCAAGGAATTCCTGGTCTTAGTGTTTAAAGTTGCCAGGCCTGTTTCAAGACTGAGCGAGAGTGCTG
 AGGGAGCTGCGGCTCTCAAGAGTCTGGAAGCCTCCACTCTGGGGCTCGCAGGAGCTGGGCGAAGGACA
 GAGAAGTGGCACTGAAGTGGGAAGGGCGGGAAAGGGCAGCATTATGAGGGGAGCAGCCACAGACAGAGC
 CAGCAGGGTCCAGAGGGCAGAACAGGCCTGGGGTTCAGACCCAGGGTCAAGCCACTGGCTCTGCGTGGG
 TCAGCAGCTATGACAGGCAAGCTGAGTCCAGAGCCAGGAAAGAATAAGCCCGCAGATACAACCTCTTGG
 GCAGACAGAGCAGACCCAGAAAGCTGGAGAAGGCAAGAGGAATCAGACAACAGAGATGAGGCCAGAGAGA
 CAGCCACAGACCAGGGAACAGGACAGAGCCACCAGACAGGTGAGACTGTGACTGGATCTGGAACCTCAGA
 CCCAGGCAGGTGCCACCCAGACTGTGGAGCAGGACAGCAGCCACCAGACAGGAAGAACCAGCAAGCAGAC
 ACAGGAGGCCACCAATGACCAGAACAGAGGGACTGAGACCCACGGTCAAGGCAGGAGCCAGACCAGCCAG
 GCTGTGACAGGAGGACATGCTCAGATACAGGCAGGGACACACACCAGACACCCACCCAGACCGTGGAGC
 AGGACAGCAGCCACCAGACAGGAAGCACCAGCACCAGACACAGGAGTCCACCAATGGCCAGAACAGAGG
 GACTGAGATCCACGGTCAAGGCAGGAGCCAGACCAGCCAGGCTGTGACAGGAGGACACACTCAGATACAG
 GCAGGGTACACACCCGAGACTGTGGAGCAGGACAGAAGCCAACTGTAGCCACGGAGGGGCTAGAGAAC
 AGGGACAGACCCAGACGCAGCCAGGCAGTGGTCAAAGATGGATGCAAGTGAAGCAACCTGAGGCAGGAG
 GACAGTACCGGGAGGACAGGCCAGACTGGGGCAAGCACTGAGTCAAGGAAGGCAGGAGTGGAGCAGCACT
 CACCCAAGGCGCTGTGTGACAGAAGGGCAGGGAGACAGACAGCCACAGTGGTGGTGGGAATGGGTTG
 ATGACCACTCAAGGGAGACAGTATCCTCAGGCTGGACCAGGGCAACTTGCATACCAGTGTTCCTCAGC
 ACAGGGCCAGGATGCAGCCAGTCAGAAGAGAAGCGAGGCATCACAGCTAGAGAGCTGTATTCCTACTTG
 AGAAGCACCAAGCCA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG204641 representing NM_016190
 Red=Cloning site Green=Tags(s)

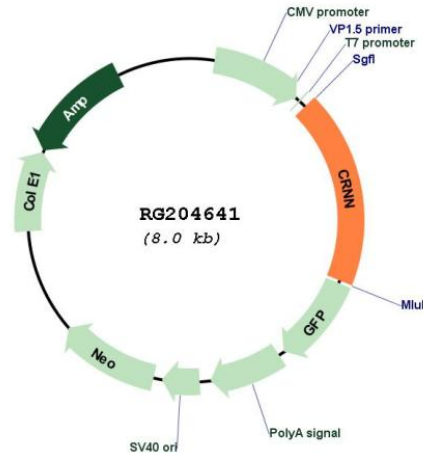
MPQLLQNINGIIEAFRRYARTEGNCTALTRGELKRLLEQEFADVIVKPHDPATVDEVLRLLDEDHTGTVE
 FKEFLVLFKVAQACFKLSESAEGACGSQESGSLHSGASQELGEGQRSGTEVGRAGKQHYEGSSHRQS
 QQGSRGQNRPGVQTQGGATGSAWVSSYDRQAESQSQERISPIQLSGQTEQTQKAGEGKRNQTTEMRPER
 QPQTRREQDRAHQTGTVTGSQTQAGATQTVQDSSHQTGRTSKQTQEAATNDQNRGTEETHGQGRSQT
 AVTGGHAQIQAGHTHTPTQTVEQDSSHQTGSTSTQTQESTNGQNRGTE.IHGQGRSQTSAVVTGGHTQIQ
 AGSHTETVEQDRSQTVSHGGAREQGQTQTPGSGQRWQVSNPEAGETVPGGQAQTGASTESGRQEWSS
 HPRRCVTEGGDRQPTVVGEEWDDHSRETIVILRLDQGNLHTSVSSAQGDAAQSEEKRGITARELYSYL
 RSTKP

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Plasmid Map:



ACCN: NM_016190

ORF Size: 1485 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_016190.3](#)

RefSeq Size: 1891 bp

RefSeq ORF: 1488 bp

Locus ID: 49860

UniProt ID: [Q9UBG3](#)

Cytogenetics: 1q21.3

Gene Summary: 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]