

## Product datasheet for **SC113315**

### **CCHCR1 (NM\_019052) Human Untagged Clone**

#### Product data:

|                    |                        |
|--------------------|------------------------|
| Product Type:      | Expression Plasmids    |
| Tag:               | Tag Free               |
| Symbol:            | CCHCR1                 |
| Synonyms:          | C6orf18; HCR; pg8; SBP |
| Mammalian Cell     | None                   |
| Selection:         |                        |
| Vector:            | <u>pCMV6-XL5</u>       |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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**Fully Sequenced ORF:**

>OriGene ORF within SC113315 sequence for NM\_019052 edited (data generated by NextGen Sequencing)

ATGTTTCCACCTTCAGGTTCCACTGGGCTGATTCCCCCTCCCACTTTCAAGCTCGGCC  
CTTTCAACTCTGCCAAGAATGGCTCCACCTGGCTCTCAGACATTCCCCTGGTCCAACCC  
CCAGGCCATCAAGATGTCTCAGAGAGGCGGCTAGACCCAGAGACCTCAAGTACCATG  
TGGAAACGGGATGTTTCCAGTGACAGGCAGGAGCCAGGGCGAGAGGCAGGTCTGGGG  
CTGGAGGGGTACAGGCCCTGAGCCAGCAGGCTGAGGTGATCGTTGGCAGCTGCAAGAG  
CTGCGGTGGCTGGAGGAGGAGTCTGGCTCCTGCGGGAGACCTCGCTGCAGCAGAAGATG  
AGGCTAGAGGCCAGGCCATGGAGCTAGAGGCTCTGGCACGGGCGGAGAAGGCCGGCCGA  
GCTGAGGCTGAGGGCTCGCTGCTGCTTTGGCTGGGGCTGAGGTTGTCCGAAGAATTG  
GAAGAGGGGAGGCAGCGGAGCTGGAAGAGTTTCAAGGCTGCACCAAGAGCAGCTGTCC  
TCTTTGACACAGGCTCAGGAGGAGTCTTTCCAGTTTGACCAAGAGGCTGAGGGCTTG  
GAGAAGTCTCTGAGTAGTCTGGAACAGAGAGCAGGGGAAGCCAAGGAGCTGGCCGAG  
GCTCAGAGGGAGGCGGAGCTGCTTCGGAAGCAGCTGAGCAAGACCCAGGAAGACTTGAG  
GCTCAGGTGACCTGGTTGAGAATCTAAGAAAAATGTTGGGAACAAGTCCCTTCTGAG  
GTCCACAGCCAGACATGGAACTGGAGCGACAGAAGCTTCTGGAACCATGCAGCACTTG  
CAGGAGGACCGGGACAGCTGCATGCCACCGCGAGCTGCTGCAGGTGCGGGTGCAGAGC  
CTCACACACATCTCGCCCTGCAGGAGGAGGAGCTGACCAGGAAGTTCAACCTTCAGAT  
TCCCTGGAGCCTGAGTTTACCAGGAAGTGCCAGTCCCTGCTGAACCGCTGGCGGGAGAAG  
GTGTTTGGCCCTCATGGTGCAGCTAAAGGCCAGGAGCTGGAACACAGTGACTCTGTTAAG  
CAGCTGAAGGGACAGGTGGCCTCACTCCAGGAAAAAGTACATCCAGAGCCAGGAGCAG  
GCCATCTGCAGCGATCCCTGCAGGACAAAGCCGAGAGGTGGAGGTGGAGCGTATGGGT  
GCCAAGGGCTGCAGTTGGAGCTGAGCCGTGCTCAGGAGGCCAGGCGTTGGTGGCAGCAG  
CAGACAGCCTCAGCCGAGGAGCAGTTGAGGCTTGTGGTCAATGCTGTCAGCAGCTCTCAG  
ATCTGGCTCGAGACCACCATGGCTAAGGTGGAAGGGGCTGCCGCCAGCTTCCAGCCTC  
AACAACCGACTCAGCTATGCTGTCCGAAGGTCCACACCATTCGGGGCTGATTGCTCGA  
AAGCTTGCCCTTGTGCTGAGTGCAGGAGAGCTGTCCCTACCAACCGGTACAGAT  
GTGAGCCTTGAGTTGCAGCAGCTGCGGGAAGAACGGAACCGCTTGATGCAGAACTGCAG  
CTGAGTGCCCGCTCATCCAGCAGGAGGTGGGCCGGGCTCGGGAGCAAGGGGAGGCAGAG  
CGGCAGCAGCTGAGCAAGGTGGCCAGCAGCTGGAGCAGGAGCTGCAGCAGACCCAGGAG  
TCCCTGGCTAGCTTGGGCTGCAGCTGGAGGTAGCACGCCAGTGCAGCAGGAGAGCACA  
GAGGAGGCTGCCAGTCTGCGGCAGGAGCTGACCCAGCAGCAGGAACCTACGGGCAAGCC  
CTGCAAGAAAAGGTGGCTGAAGTGGAACTCGGCTGCGGGAGCAACTCTCAGACACAGAG  
AGGAGGCTGAACGAGGCTCGGAGGGAGCATGCCAAGGCCGTGGTCTCCTTGCGCCAGATT  
CAGCGCAGAGCCGCCAGGAAAAGGAGCGGAGCCAGGAACCTCAGGCGTCTGCAGGAGGAG  
GCCCGGAAGGAGGAGGGGACGCACTGGCCCGGCGCTTGAGGAGCTAGAGAGGGATAAG  
AACCTCATGCTGGCCACCTTGACAGCAGGAAGGTCTCCTCTCCCGTTACAAGCAGCAGCGA  
CTGTTGACAGTTCTTCTTCCCTACTGGATAAGAAGAAATCTGTGGTGTCCAGCCCCAGG  
CCTCCAGAGTGTTCAGCATCTGCACCTGTAGCAGCAGCAGTCCCCACCAGGAGTCCATA  
AAAGGGTCCCTCTCTGTCTGCTCGATGACCTGCAGGACCTGAGTGAAGCCATTTCCAAA  
GAGGAAGCTGTTTGTCAAGGAGACAACCTTGACAGATGCTCCAGTGCATCCCCAGATG  
AGCAGCTAA

Clone variation with respect to NM\_019052.3

307 c=>t;325 c=>t;492 c=>g;771 g=>c;1249 c=>t;1285 c=>t;1500 c=>t;1522 t=>c;1723 g=>t;1911  
a=>g;2327 c=>g

**5' Read Nucleotide**

**Sequence:**

>OriGene 5' read for NM\_019052 unedited  
GGGTGGGANCAAAAACCGATTCTACTATAGGCGGCCGGAATTCGCACGAGGGGGGCTCT  
CGCGGGGAACATAGATGGCTGAAGACAGAATCTAGAGCCTTCAAATAATGTGGAGATGTT  
TCCACCTTCAGTTCCACTGGGCTGATTCCCCCTCCCACTTTCAGCTCGGCCCTTTC  
AACTCTGCCAAGAATGGCTCCACCTGTCTCTACATTCCTTGGTCCAACCCCAAGG  
CCATCAAGATGTCTCAGAGAGGCGGCTAGACACCCAGAGACCTCAAGTGACCATGTGGGA  
ACGGGATGTTTCCAGTGACAGGCGAGGAGCCAGGGCGGAGAGGCGAGTCTGGGGCTGGA  
GGGGTACAGGCCCTGAGCCAGCAGGCTGAGGTGATCGTTCGGCAGCTGCAAGAGCTGCG  
GTGGCTGGAGGAGGAGGTCTGGCTCCTGCGGGAGACCTCGCTGCAGCAGAAGATGAGGCT  
AGAGGCCAGGCCATGGAGCTAGAGGCTCTGGCACGGGCGGAGAATGCCGGCCGAGCTGA  
GGCTGAGGGCTGCGTGTCTTTGGCTGGGGCTGAGGTTGTCCGAAGAAGTGGGAAGA  
GGGGAGGCAGCGGAGCTGGAAGAGTTCATAGGCTGCACCAAGAGCAGCTGTCTCTTTG  
ACACAGGCTCACCAGGAGGCTCTTTCCAGTTTGACCAGCAACGCTGACGGCTTGGAAGA  
TCTCTGAGTATCTGGAACCAGAAGAGCCGGTAACCAATGAGCTGGCCGAGCTTACAG  
GGAGCCGAAGTCTTGGGAAGCAGCTGAGCCAGACCAAGAAGACTTGGAGCTCTAGTGAC  
CCTGGCTGAAAATCTAAAAACAATGTTGGGAACAAGTCCCTTCTGAGTGCACCCACA  
CCTGGTACTGGCACCACG

**3' Read Nucleotide**

**Sequence:**

>OriGene 3' read for NM\_019052 unedited  
TTTGACCGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTCTTGTAGT  
CGTCTTTATTTAGAGCAGAATTCAGACTCAGCTGGTATCCCCCAGGGCAACCCAGGATG  
GGGAAGGGCTGGTCTGTCCCCACCACTTCTCCAGGATCCTCCAGCCCCAGGCTGGCT  
TTCCCTCCAAGTGTGAGTGTCTAGCTGCTCATCTGGGATTGCAGCTGGAGCATCTGTC  
AAGTTGTCTCCTTGACAAACAGCTTCTCTTTGGAAATGGCTTCACTCAGGTCTGCAG  
GTCATCGAGCAGGACAGAGAGGGACCTTTTATGGAATCCCTGGTGGGCACTGCTGCTGC  
TACAGGTGCAGATGCTGAACACTCTGGAGGCTGGGGCTGGACACCACAGATTTCTTCTT  
ATCCAGTAGGGAAGGAAGAAGTGTCAACAGTCGCTGCTGTTGAACGGGAGAGGAGACC  
TTCTGCTGCAAGGTGGCCAGCATGAGTTCTTATCCCTCTCTAGCTCCTGCAAGCGCCG  
GGCCAGTCTGCTGCCCTCCTCTTCCGGGCTCCTCCTGCAGACGCTGAGTTCTTGGCT  
CCGCTCCTTTCTGGGCGGCTCTGCGTGAATCTGGCGCAAGGAGACCACGGCCTTGGC  
ATGCTCCCTCCGAGCCTCGTTCAGCCTCCTCTGTGTCTGAGAGTTGCTCCCGAGCCG  
AGTTTCCACTTCAGCCACCCTTTTCTTGCAAGNCTTGCCCGTAGAGTTCTGCTGCTGGG  
TCAGCTCCTGCCGAGACTGGCAGCCTCCTCTGTGCTCCTGCTGGCACTGGCGTGCTA  
CCTCCAGCTGCANGCCCCAGCTAGCCAGGACTCCTGGGTCTGCTGCAGCTCCTGCNTCA  
GCTGCTGGGCCACCTTGTCTACTGTGCCGCTCTGTCTCCCTTGTCCCGAGCCCGCC  
ACTCCGCTGGNATGAGCGGCCCTCACTGAGTT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_019052

**Insert Size:**

3050 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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).

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>                                                                                                                                                                                            |
| <b>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq:</b>                | <u>NM_019052.2, NP_061925.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>RefSeq Size:</b>           | 2972 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>RefSeq ORF:</b>            | 2349 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Locus ID:</b>              | 54535                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID:</b>            | <u>Q8TD31</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Cytogenetics:</b>          | 6p21.33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Gene Summary:</b>          | <p>This gene encodes a protein with five coiled-coil alpha-helical rod domains that is thought to act as a regulator of mRNA metabolism through its interaction with mRNA-decapping protein 4. It localizes to P-bodies, the site of mRNA metabolism, with an N-terminus that is required for this subcellular localization, suggesting it is a P-body component. Naturally occurring mutations in this gene are associated with psoriasis. [provided by RefSeq, May 2017]</p> <p>Transcript Variant: This variant (3) contains a distinct 5' UTR and lacks an in-frame portion of the 5' coding region, compared to variant 1. The resulting isoform (3) has a shorter N-terminus when compared to isoform 1.</p> |