

Product datasheet for **SC112668**

CRSP9 (MED7) (NM_004270) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRSP9 (MED7) (NM_004270) Human Untagged Clone
Tag:	Tag Free
Symbol:	CRSP9
Synonyms:	ARC34; CRSP9; CRSP33
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004270, the custom clone sequence may differ by one or more nucleotides

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ATGGGTGAACCACAGCAAGTGAGTGCACCTCCACCACCTCCAATGCAATATATCAAGGAATATACGGATG
AAAATATTC AAGAAGGCTTAGCTCCAAGCCTCCCCTCCAATAAAAGACAGTTACATGATGTTTGGCAA
TCAGTTCCAATGTGATGATCTTATCATCCGCCCTTTGGAAAGTCAGGGCATCGAACGGCTTCATCTATG
CAGTTTGATCACAAGAAAGAAGTGAAGAACTTAATATGTCTATCCTTATTAATTTCTTGGACCTTTTGA
ATATTTAATAAGGAGCCCTGGGAGTATAAACGAGAAGAGAACTAGAAGATCTTAAGCTGCTTTTGT
ACACGTGCATCATCTTATAAATGAATACCGACCCACCAAGCAAGAGAGACCTTGAGAGTCATGATGGAG
GTCCAGAAACGTCAACGGCTTGAACAGCTGAGAGATTTCAAAGCACCTGGAACGAGTAATTGAAATGA
TTCAGAATTGCTTGGCTTCTTGCCTGATGATTTGCCTCATTGAGAGCAGGAATGAGAGTAAAACTGA
ACCAATGGATGCTGATGATAGCAACAATTGTAAGTGGACAGAATGAACATCAAAGAGAAAATTCAGGTCAT
AGGAGAGATCAGATTATAGAGAAAGATGCTGCCTGTGTGTCCTAATTGATGAGATGAATGAAAGACCAT
GA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004270 unedited
 TTTGGTATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGGCGGCTACCAAGTGT
 AAAGCCAGAGCTGAGGTTCTTGATAGTCCACAATGGGTGAACCACAGCAAGTGAGTGCAC
 TTCCACCACCTCCAATGCAATATATCAAGGAATATACGGATGAAAATATCAAGAAGGCT
 TAGCTCCCAAGCCTCCCCCTCCAATAAAAAGACAGTTACATGATGTTTGGCAATCAGTTCC
 AATGTGATGATCTTATCATCCGCCCTTTGGAAAAGTCAGGGCATCGAACGGCTTCATCCTA
 TGCAGTTTGATCACAAGAAAGAAGTGAAGAACTTAATATGTCTATCCTTATTAATTTCT
 TGGACCTTTTAGATATTTTAATAAGGAGCCCTGGGAGTATAAAACGAGAAGAGAAACTAG
 AAGATCTTAAGCTGCTTTTTGTACACGTGCATCATCTTATAAATGAATACCGACCCACC
 AAGCAAGAGAGACCTTGAGAGTCATGATGGAGGTCCAGAAACGTCAACGGCTTGAACAG
 CTGAGAGATTTCAAAGCACCTGGAACGAGTAATTGAAATGATTCAGAATTGCTTGGCTT
 CTTTGCCTGATGATTTGCCTCATTGAGAGCAGGAATGAGAGTAAAACTGAACCAATGG
 ATGCTGATGATAGCAACAATTGACTGGACAGAATGAACATCAAAGAGAAAATTCAGGTC
 ATAGGGAGAGATCAGATTATAGAGAAAAGTGTGCCTTGTGTGCCTAATTGATGAGATG
 AATGANAGAACCATGAAGATGTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT
 TTAGTTCAATTNTCTTTTGGNACAGTCTAAAGAGAAAGTTCACTAAAAATGTAACAGCTTT
 AATCTTGACTCCAAATTTNCAATATGAGAAGTCATAGGCAGTAATTNCGT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004270 unedited
 TCTATGGACCGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTGAGGTTATC
 ATCAAAGTTTTACTGCAACTCTAAAACATAGGAATGTCCATACAACAGCAGCTAACACT
 TTGCTTTTTAAAGTGATTCTTCTTAGTGCAGGGACTCATTTGTCTATGCTTGTATAC
 AGCGAAATTAAGTGCCTATGACATCTCATAATTGAAAAATTTGGAGTCAAGATTAAGCTG
 TTTACATTTTTAGTGAACTTCTCTTAAGACTGTCCAAAAGAAAATGAACTAATATATGA
 TGCTATTATCAAAGGAAAAAAGAAAAAGAAACATCTTTCATGGTCTTTCATTATCTC
 ATCAATTAGGACACACAAGGCAGCATCTTCTCTATAATCTGATCTCTCCTATGACCTGA
 ATTTTCTCTTGTGTTTCTGTCCAGTACAATTGTTGCTATCATCAGCATCCATTGG
 TTCAGTTTTACTCTCATTCTGCTTCTGAATGAGGCAATCATCAGGCAAGAAGCCAA
 GCAATTCGAATCATTCAATTACTCGTCCAGGTGCTTTGAAATCTCTCAGCTGTTTC
 AAGCCGTTGACGTTTCTGGACCTCCATCATGACTCTCAAGGTCTCTTGTCTTGGTGGGG
 TCGGTATTCATTATAAGATGATGCACGTGTACAAAAAGCAGCTTAAGATCTTCTAGTTC
 CTCTTCTCGTTTTATACTCCAGGGCTCCTTATTAATAATATCTAAAAGGTCCAGAAATA
 ATANGGATAGACATATTNNAAGTTTCTCAGTTCTTCTTGTGATCAAACGATANGATGA
 AGCCGNTCGATGCCCTGACTTTCCAAAGGNCGGATGATANGATCATCACATTGGCACTGA
 TTGCCAAACATCATGACTGGCTTTTATGGNAGGGGAGGCTGGNAGCTAGACTTCTTG
 ATATTTTCATCCGNTAATTCCTGAAAT

Restriction Sites:

NotI-NotI

ACCN:

NM_004270

Insert Size:

1070 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).

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_004270.3](#), [NP_004261.1](#)

RefSeq Size: 1066 bp

RefSeq ORF: 702 bp

Locus ID: 9443

UniProt ID: [O43513](#)

Cytogenetics: 5q33.3

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: The activation of gene transcription is a multistep process that is triggered by factors that recognize transcriptional enhancer sites in DNA. These factors work with co-activators to direct transcriptional initiation by the RNA polymerase II apparatus. The protein encoded by this gene is a subunit of the CRSP (cofactor required for SP1 activation) complex, which, along with TFIID, is required for efficient activation by SP1. This protein is also a component of other multisubunit complexes e.g. thyroid hormone receptor-(TR-) associated proteins which interact with TR and facilitate TR function on DNA templates in conjunction with initiation factors and cofactors. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants encode the same protein.