

Product datasheet for **RC210714**

CRSP7 (MED26) (NM_004831) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRSP7 (MED26) (NM_004831) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CRSP7
Synonyms:	CRSP7; CRSP70
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC210714 representing NM_004831
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACAGCGGCTCCGGCTCTCCGACGAGATCAGGGACCGGCTGCTGCAGGCCATCGACCCCAGAGCA
 ACATCCGGAACATGGTGGCGGTGCTGGAAGTCATCTCCAGCCTGGAGAAATACCTATTACCAAAGAGGC
 ACTTGAGGAAACACGACTTGGGAAGCTCATCAACGACGTCGCAAGAAAACCAAGAACGAGGAGCTCGCC
 AAGCGGGCCAAGAAGCTGCTGCGGAGCTGGCAGAAGCTCATCGAGCCGGCACACCAGCATGAGGCGGCGC
 TGGGGGGGCTGGCGGGGGCCACCGGCTCTGCCAACGGGGGCGCACAACTGCCGGCCGAGGTGGGGG
 GGCTGGCCACCCAGGAGCATCCATGACCTGAAGAGCCGCAATGACCTCCAGAGGCTGCCGGGCAGCGG
 CTGGACAGGCTGGGCAGCCGCAAGCGCCGGGTGACCAGCGTGACCTCGGCCACCCAGGGCCGCCACCCA
 AGGTCTCCAAAGCTAGCCACGACCCCTGGTCCCAACTCATCCCCCTCCCAACGGGATCAGTGG
 GAGTCCAGAGAGCTTCGCCAGCTCCCTGGATGGCAGTGGGCATGCAGGCCAGAGGGCAGCCGCTGGAG
 CGTGACGAGAATGACAAGCACAGTGGCAAGATCCCGTCAACGCCGTGCGACCGCACACCAGTCCCGCG
 GCCTGGGCAAGCCCCCTGGACCTGCTTGACGCCAAAGGCTTCGGTGCTGCAGCAGCTGGACAGGTGGA
 CGAGACTCCGGGGCTCCCCATCCCAAGGGACCCCTCGTGCTCTTTCAGTCTCGAACTCACGGCAT
 GAGGGCTCCTTTGCCCGGACGAGAGCTTGATGCACCAAGGGTCCGTGCCAGCCCCCTACCGCGGC
 CCCAGGCACTCGATGCCACACAGGTGCCGTACCGCTTCCACTGGCACAGCCGTCCACACCCCCGTACG
 GCGGCTCGAGCTGCTGCCAGTGGGAAAGCCAGTGTGCTGGCTTGAGCAGCCTGAGAGCCACAGCGG
 CTGGCGGGGCGGGCTGCAAGGCAGGGCTGTCCCAGCCGAGCCCTCCTGTCCGGGCAGGCTTTTCCC
 CAGACTCCTCCAAGGCGGACAGTATGCTGCCTCCTCAGGGGGCTCGGACAGTAAAAAGAAGAAGAGGTA
 CCGACCTCGAGACTATACGGTTAACTTGACGGGCAGGTGGCTGAGGCGGGCGTCAAGCCTGTCCGGTTA
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 AGCCGGCAGAGCAGCCTGCTCTCATCATCGGGCGCGCAGACCCAGGGGCTACCACTTCATGTCTGAGT
 ACCTGAAGCAGGAGGAGAGCACCCGGCAAGGGGCCAGGCAGCTGCATGTGCTGGTGCCTCAAAGCCCGCC
 CACGGACCTCCCTGGTCTGACCCGGGAGGTACACAGGACGATCTCGACAGAATCCAGGCCAGCCAGTGG
 CCGGGGGTGAACGGGTGTAGGACACACAGGTAAGTGGTATGACTGGACGAGTGCATATCGCTCGATC
 CGCACGGCGACGAGGGCGCTTGAACATTCTGCCTTATGTCTGCTTGGAC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC210714 representing NM_004831
 Red=Cloning site Green=Tags(s)

MTAAPASPQQIRDRLQAI DPQSNIRNMVAVLEVISSLEKYPITKEALEETRLGKLINDVRKKTNEELA
 KRAKKLLRSWQKLI E PAHQHEAALRGLAGATGSANGGAHNCRPEVGAAGPPRSI HDLKS RNDLQRLPGQR
 LDRLGSRKRRGDQRDLGHPGPPPKVSKASHDPLVPNSSPLPTNGISGSPESFASLDGSGHAGPEGSRL
 RDENDKHSGKIPVNAVRPHTSSPGLGKPPGPCLQPKASVLQQLDRVDETPGPPHPKGPGRCSFSPRNSRH
 EGSFARQQSLYAPKGSVPSPSPRPQALDATQVPSPLPLAQ PSTPPVRRLELLPSAESPVWCLEQ PESHQR
 LAGPGCKAGLSPAEP LLSRAGFSPDSSKADSDAASSGGSDSKKKKRYRPRDYTVNLDGQVAEAGVKPVRL
 KERKLT FDPMTRIKPLTQKEPVRADSPVHMEQQSRTELDKQEAQSLQSPFEQTNWKELSRNEIIQSYL
 SRQSSLLSSSGAQTPGAHHFMSEYLKQEESTRQGARQLHVLVPQSPPTDLPGLTREVTQDDLDRIQASQW
 PGVNGCQDTQGNWYDWTQCISLDPHGDDGRLN ILPYVCLD

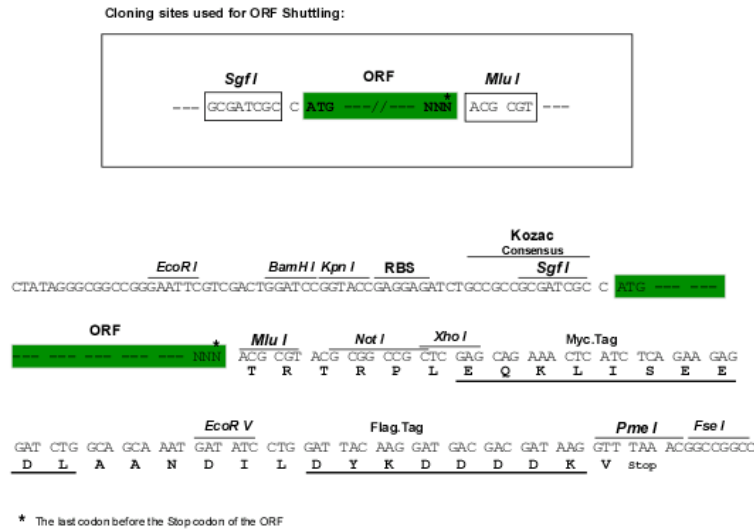
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8102_f07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004831

ORF Size: 1800 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

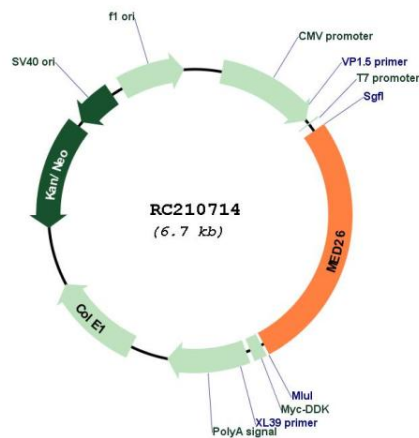
RefSeq: [NM_004831.5](#)

RefSeq Size: 3184 bp

RefSeq ORF: 1803 bp

Locus ID:	9441
UniProt ID:	O95402
Cytogenetics:	19p13.11
Protein Families:	Druggable Genome
MW:	65.4 kDa
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. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC210714