

Product datasheet for **RG209398**

CRSP8 (MED27) (NM_004269) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRSP8 (MED27) (NM_004269) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CRSP8
Synonyms:	CRAP34; CRSP8; CRSP34; MED3; NEDSCAC; TRAP37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209398 representing NM_004269 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCGGACGTGATAAATGTCAGTGTGAACCTGGAGGCCTTTCCAGGCCATTAGTGCCATCCAGGCGC
TGCCTCCAGCGTGAGCAGGGTGTTCGACTGCCTGAAGGATGGGATGCGGAACAAGGAGACGCTGGAGGG
CCGGGAGAAGGCCTTTATTGCGCACTTCAGGACAACCTACATTCGGTCAACCGGGACCTCAATGAGCTG
GAACGTCTGAGCAATCTGGTAGGCAAGCCATCTGAGAACCATCCTTTCATAACAGTGGGCTGTTAAGCC
TGGATCCTGTGCAGGACAAAACCTCTCTATAGTCAACTCCTTCAAGCATATAAGTGGTCAAACAAGTT
GCAGTACCATGCAGGACTAGCATCTGGCCTTTTAAATCAGCAGTCATTGAAGCGTTCCGCTAATCAGATG
GGAGTATCTGCCAAACGTAGACCAAAGGCTCAGCCCACTCTTGTCTACCACCTCAATATGTTGATG
ATGTGATCAGCCGATTGACAGGATGTTTCTGAAATGTCCATCCACTTATCCAGACCAATGGAACATC
AGCAATGCTTCTGGTGACCTTGGGAAAGGTGTTGAAAGTGATCGTCGTCATGCGGAGCCTGTTTATTGAT
CGAACAATAGTAAAGGGATATAACGAGAATGTCTACACAGAAGATGGCAAGCTTGATATATGGTCCAAAT
CCAATATCAAGTATCCAGAAGGTGACAGACCATGCCACCACTGCCCTGCTCCACTATCAGCTGCCCA
GATGCCGGATGTCGTGGTCCGATCCTTCATGACCTGGTTAAGAAGTTACATAAAGCTGTTCCAGGCCCG
TGCCAGCGCTGCGGGAAGTTTCTGCAGGACGGCCTTCCCCGACATGGAGGGATTCCGAACCTCGAAG
CCTTCCATGACACCTGCCGGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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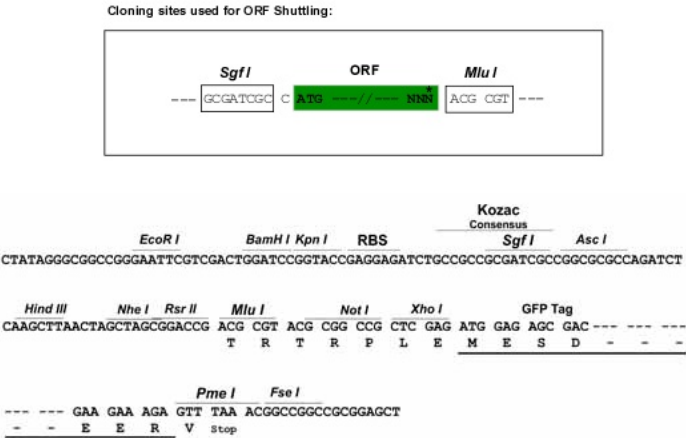
Protein Sequence: >RG209398 representing NM_004269
 Red=Cloning site Green=Tags(s)

MADVINVSVNLEAFSQAISAIQALRSSVSRVFDCLKDGMRNKETLEGREKAFIAHFQDNLHSVNRDLNEL
 ERLSNLVGKPSENHPLHNSGLLSLDPVQDKTPLYSQLQAYKWSNKLQYHAGLASGLLNQQSLKRSANQM
 GVSARRPKAQPTTLVLPQYVDDVISRIDRMFPMSIHL SRPNGTSAMLLVTLGKVLKVIIVMRSFLFID
 RTIVKGYNENVYTEDGKLDIWSKSNYQVFQKVTDHATTALLHYQLPQMPDVVRSFMTWLSYIKLFQAP
 CQRCGKFLQDGLPPTWRDFRTLEAFHDTCRQ

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004269

ORF Size: 933 bp

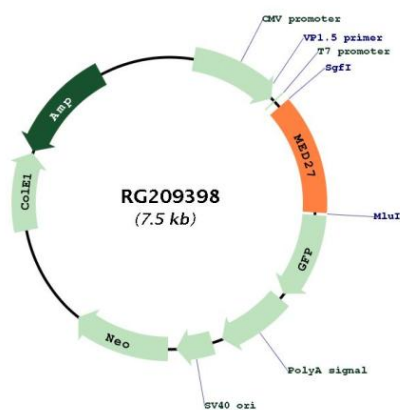
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_004269.4</u>
RefSeq Size:	1404 bp
RefSeq ORF:	936 bp
Locus ID:	9442
UniProt ID:	<u>Q6P2C8</u>
Cytogenetics:	9q34.13
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. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 5. [provided by RefSeq, Dec 2011]

Product images:



Circular map for RG209398