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Product datasheet for RG210714

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:	TurboGFP
Symbol:	MED26
Synonyms:	CRSP7; CRSP70
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

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ORF Nucleotide Sequence:

>RG210714 representing NM_004831
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACAGCGGCTCCGGCGTCTCCGCAGCAGATCAGGGACCGGCTGCTGCAGGCCATCGACCCCCAGAGCA
ACATCCGGAACATGGTGGCGGTGCTGGAAGTCATCTCCAGCCTGGAGAAATACCCTATTACCAAAGAGGC
ACTTGAGGAAACACGACTTGGGAAGCTCATCAACGACGTCCGCAAGAAAACCAAGAACGAGGAGCTCGCC
AAGCGGGCCAAGAAGCTGCTGCGGAGCTGGCAGAAGCTCATCGAGCCGGCACACCAGCATGAGGCGGCGC
TGCGGGGGCTGGCGGGGGCCACCGGCTCTGCCAACGGGGGCGCACACAACTGCCGGCCGGAGGTGGGGGC
GGCTGGCCCACCCAGGAGCATCCATGACCTGAAGAGCCGCAATGACCTCCAGAGGCTGCCCGGGCAGCGG
CTGGACAGGCTGGGCAGCCGCAAGCGCCGGGGTGACCAGCGTGACCTCGGCCACCCAGGGCCGCCACCCA
AGGTCTCCAAAGCTAGCCACGACCCCCTGGTCCCCAACTCATCCCCCCTCCCCACCAACGGGATCAGTGG
GAGTCCAGAGAGCTTCGCCAGCTCCCTGGATGGCAGTGGGCATGCAGGCCCAGAGGGCAGCCGCCTGGAG
CGTGACGAGAATGACAAGCACAGTGGCAAGATCCCCGTCAACGCCGTGCGACCGCACACCAGCTCCCCGG
GCCTGGGCAAGCCCCCTGGACCCTGCTTGCAGCCAAAGGCTTCGGTGCTGCAGCAGCTGGACAGGGTGGA
CGAGACTCCGGGGCCTCCCCATCCCAAGGGACCCCCTCGCTGCTCTTTCAGTCCTCGGAACTCACGGCAT
GAGGGCTCCTTTGCCCGGCAGCAGAGCTTGTATGCACCCAAGGGCTCCGTGCCCAGCCCCTCACCGCGGC
CCCAGGCACTCGATGCCACACAGGTGCCGTCACCGCTTCCACTGGCACAGCCGTCCACACCCCCCGTACG
GCGGCTCGAGCTGCTGCCCAGTGCGGAAAGCCCAGTGTGCTGGCTTGAGCAGCCTGAGAGCCACCAGCGG
CTGGCGGGGCCGGGCTGCAAGGCAGGGCTGTCCCCAGCCGAGCCCCTCCTGTCCCGGGCAGGCTTTTCCC
CAGACTCCTCCAAGGCGGACAGTGATGCTGCCTCCTCAGGGGGCTCGGACAGTAAAAAGAAGAAGAGGTA
CCGACCTCGAGACTATACGGTTAACTTGGACGGGCAGGTGGCTGAGGCGGGCGTCAAGCCTGTCCGGTTA
AAAGAGCGGAAGCTCACCTTTGACCCCATGACGAGACAGATCAAACCTCTGACCCAGAAAGAGCCAGTGC
GGGCAGACAGCCCTGTGCACATGGAGCAGCAGTCCAGGACAGAGCTGGACAAGCAGGAGGCCAAGGCCAG
CCTCCAGAGCCCCTTCGAACAGACGAACTGGAAGGAGCTGTCACGCAACGAGATCATCCAGTCCTACCTG
AGCCGGCAGAGCAGCCTGCTCTCATCATCGGGCGCGCAGACCCCAGGGGCTCACCACTTCATGTCTGAGT
ACCTGAAGCAGGAGGAGAGCACCCGGCAAGGGGCCAGGCAGCTGCATGTGCTGGTGCCTCAAAGCCCGCC
CACGGACCTCCCTGGTCTGACCCGGGAGGTCACACAGGACGATCTCGACAGAATCCAGGCCAGCCAGTGG
CCGGGGGTGAACGGGTGTCAGGACACACAGGGTAACTGGTATGACTGGACGCAGTGCATATCGCTCGATC
CGCACGGCGACGACGGGCGCTTGAACATTCTGCCTTATGTCTGCTTGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

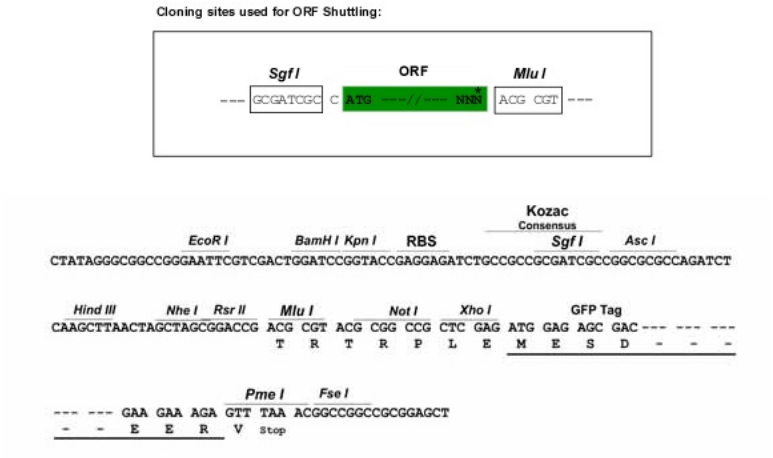
>RG210714 representing NM_004831
Red=Cloning site Green=Tags(s)

MTAAPASPQQIRDRLLQAIDPQSNIRNMVAVLEVISSLEKYPITKEALEETRLGKLINDVRKKTKNEELA
KRAKKLLRSWQKLIEPAHQHEAALRGLAGATGSANGGAHNCRPEVGAAGPPRSIHDLKSRNDLQRLPGQR
LDRLGSRKRRGDQRDLGHPGPPPKVSKASHDPLVPNSSPLPTNGISGSPESFASSLDGSGHAGPEGSRLE
RDENDKHSGKIPVNAVRPHTSSPGLGKPPGPCLQPKASVLQQLDRVDETPGPPHPKGPPRCSFSPRNSRH
EGSFARQQSLYAPKGSVPSPSPRPQALDATQVPSPLPLAQPSTPPVRRLELLPSAESPVCWLEQPESHQR
LAGPGCKAGLSPAEPLLSRAGFSPDSSKADSDAASSGGSDSKKKKRYRPRDYTVNLDGQVAEAGVKPVRL
KERKLTFDPMTRQIKPLTQKEPVRADSPVHMEQQSRTELDKQEAKASLQSPFEQTNWKELSRNEIIQSYL
SRQSSLLSSSGAQTPGAHHFMSEYLKQEESTRQGARQLHVLVPQSPPTDLPGLTREVTQDDLDRIQASQW
PGVNGCQDTQGNWYDWTQCISLDPHGDDGRLNILPYVCLD

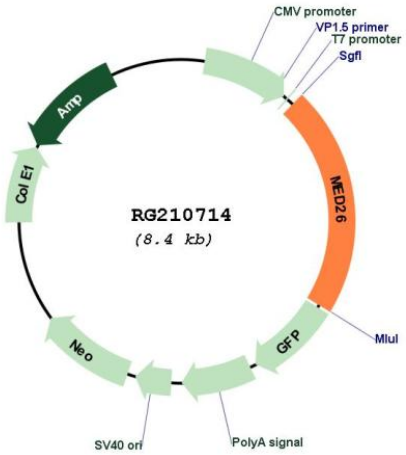
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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.
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
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]