

Product datasheet for **RG201565**

CSRP2 (NM_001321) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CSRP2 (NM_001321) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CSRP2
Synonyms: CRP2; LMO5; SmLIM
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG201565 representing NM_001321
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGTCTGGGGAGGTGGAACAAGTGTGGGCCTGTGGGAGGACCGTGTACCACGCAGAAGAGGTGC
 AGTGTGATGGCAGGAGCTTCCACCGCTGCTGCTTCTCTGCATGGTTGCAGGAAAAATTTAGATAGCAC
 AACAGTGGCAATTCACGATGAAGAGATCTACTGCAAATCTGCTACGGAAAGAAGTATGGGCCAAAAGGC
 TACGGTTATGGCCAGGGCGCTGGCACGCTTAACATGGACCGTGGCAGAGGCTGGGCATCAAACAGAGA
 GTGTTTCAGCCTCACAGGCTACAACAAATCCAACACTTCTAAATTTGCTCAGAAATATGGAGGTGCTGA
 GAAGTGTCCAGATGTGGGGATTCTGTATATGCTGCCGAGAAGATAATTGGAGCTGGAAAGCCCTGGCAC
 AAAAAGTGTTCAGATGTCAAAGTGTGGGAAGAGTCTTGAATCAACAACTCTGACTGAAAAAGAAGGTG
 AAATCTATTGTAAGGATGCTATGCAAAGAAGTCTGGGCCAAGGGATTTGGCTATGGCCAAGGAGCAGG
 GGCTCTTGTTTCATGCCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG201565 representing NM_001321
 Red=Cloning site Green=Tags(s)

MPVWGGGNKCGACGRTVYHAEVQCDGRSFHRCCFLCMVCRKNLDSTTVAIHDEEYCKSCYKGYGPKG
 YGYGQAGTLNMDRGERLGIKPEVQPHRPTTNPNTSKFAQKYGGAEKCSRCGDSVYAAEKIIGAGKPWH
 KNCFRCAKCGKLESTTLTEKEGEIYCKGKYAKNFGPKGFGYGGAGALVHAQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001321

ORF Size: 579 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_001321.3](#)

RefSeq Size: 901 bp

RefSeq ORF: 582 bp

Locus ID: 1466

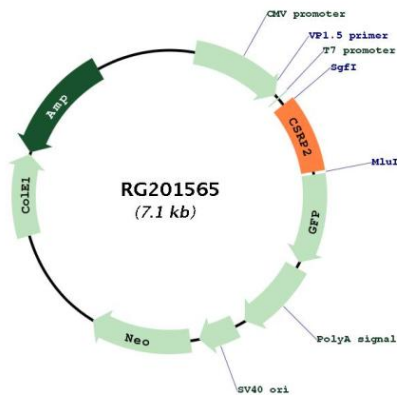
UniProt ID: [Q16527](#)

Cytogenetics: 12q21.2

Domains: LIM

Gene Summary: CSRP2 is a member of the CSRP family of genes, encoding a group of LIM domain proteins, which may be involved in regulatory processes important for development and cellular differentiation. CRP2 contains two copies of the cysteine-rich amino acid sequence motif (LIM) with putative zinc-binding activity, and may be involved in regulating ordered cell growth. Other genes in the family include CSRP1 and CSRP3. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

Product images:



Circular map for RG201565