

Product datasheet for **RG231034**

CSRP1 (NM_001193570) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CSRP1 (NM_001193570) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CSRP1
Synonyms: CRP; CRP1; CSRP; CYRP; D1S181E; HEL-141; HEL-S-286
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG231034 representing NM_001193570
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCGAAGTGGGGAGGAGGCAAGAAATGTGGGGTGTGTCAGAAGACGGTTTACTTTGCCGAAGAGGTTTC
 AGTGCGAAGGCAACAGCTTCCATAAATCCTGCTCCTGTGCATGGTCTGCAAGAAGAATCTGGACAGTAC
 CACTGTGGCCGTGCATGGTGAGGAGATTTACTGCAAGTCTGCTACGGCAAGAAGTATGGGCCAAAGGC
 TATGGCTACGGGCAGGGCGCAGGCACCCTCAGCACTGACAAGGGGAGTCGCTGGGTATCAAGCACGAGG
 AAGCCCTGGCCACAGGCCACCACCAACCCCAATGCATCCAAATTTGCCAGAAGATTGGTGGCTCCGA
 GCCTGCCCCGATGCAGCCAGGCAGTCTATGCTGCGGAGAAGTCTGGCATAAAGCCTGCTTTTCGATGT
 GCCAAGTGTGGCAAAGGCCTTGAGTCAACCACCCTGGCAGACAAGGATGGCGAGATTTACTGCAAAGGAT
 GTTATGCTAAAACTTCGGGCCAAGGGCTTTGGTTTTGGGAAGGAGCTGGGCGCTTGGTCCACTCTGA
 G

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231034 representing NM_001193570
 Red=Cloning site Green=Tags(s)

MPNWGGGKKKCGVCQKTVYFAEEVQCEGNSFHKSCFLCMVCKKNLDSTTVAVHGEEIYCKSCYKGYGPKG
 YGYQGAGTLSTDKGESLGIKHEEAPGHRPTTNPASKFAQKIGGSERCPQRSQAVYAAEKSWHKACFRCA
 KCGKLESTTLADKDGEIYCKGCAKNFGPKGFQAGALVHSE

TRTRPLE - GFP Tag - V

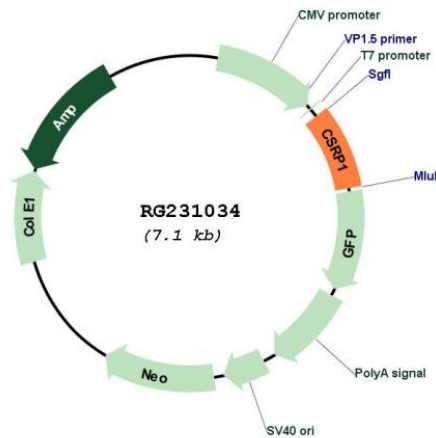
Restriction Sites: Sgfl-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001193570

ORF Size: 561 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_001193570.2](#)

RefSeq Size: 1952 bp

RefSeq ORF: 564 bp

Locus ID: 1465

UniProt ID: [P21291](#)

Cytogenetics: 1q32.1

Gene Summary: This gene encodes a member of the cysteine-rich protein (CSRP) family. This gene family includes a group of LIM domain proteins, which may be involved in regulatory processes important for development and cellular differentiation. The LIM/double zinc-finger motif found in this gene product occurs in proteins with critical functions in gene regulation, cell growth, and somatic differentiation. Alternatively spliced transcript variants have been described. [provided by RefSeq, Aug 2010]