

## Product datasheet for **RG221293**

### CRISP1 (NM\_170609) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CRISP1 (NM\_170609) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** CRISP1  
**Synonyms:** AEGL1; ARP; CRISP-1; HEL-S-57; HSCRISP1D; HSCRISP1G; HUMARP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG221293 representing NM\_170609  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAAATTAACACCTCTTGTTTTTGGTTGCTGCTGCTTACTGCCTATGTTGTCCATGAAAAAGA  
 AATCAGCTAGAGACCAATTTAATAAGCTCGTCACCGACTTGCCAAATGTACAAGAAGAGATCGTTAATAT  
 ACACAACGCCCTCAGGAGAAGAGTAGTTCACCAGCCAGCAACATGCTGAAGATGAGTTGGAGTGAAGAG  
 GCTGCACAAAATGCCAGAATTTTTCAAAGTATTGTGATATGACAGAGAGCAACCCCTTGAGAGGAGAC  
 TTCCAAATACCTTTTGTGGAGAAAATATGCATATGACATCTTATCCTGTATCATGGTCAAGTGAATTGG  
 AGTCTGGTACAGTGAGTCTACAAGTTTCAAACATGGAGAATGGACAACAACGGATGATGACATACTACT  
 GACCACTACACTCAGATTGTTTGGGCCACATCTTACCTGATTGGCTGTGCCATTGCATCTTGCCGCCAAC  
 AAGGATCACCTCGATATCTACGTTTGTCACTATTGTCATGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG221293 representing NM\_170609  
 Red=Cloning site Green=Tags(s)

MEIKHLLFLVAAACLLPMLSMKKKSARDQFNKLVTDLPNVQEEIVNIHNLRRRVVPPASNMLKMSWSEE  
 AAQNARIFSKYCDMTESNPLERRLPNTFCGENMHMTSYPVSWSSVIGVWYSESTSFKHGEWTTDDDDITT  
 DHYTQIVWATSYLIGCAIASCRQQGSPRYLYVCHYCHD

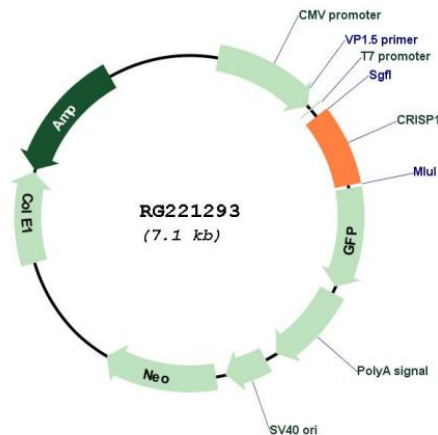
**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_170609

**ORF Size:** 534 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_170609.2</a>
<b>RefSeq Size:</b>	1803 bp
<b>RefSeq ORF:</b>	537 bp
<b>Locus ID:</b>	167
<b>UniProt ID:</b>	<a href="#">P54107</a>
<b>Cytogenetics:</b>	6p12.3
<b>Gene Summary:</b>	Fertilization consists of a sequence of specific cell-cell interactions culminating in the fusion of the sperm and egg plasma membranes. Recognition, binding, and fusion occur through the interaction of complementary molecules that are localized to specific domains of the sperm and egg plasma membranes. In the sperm, the postacrosomal region or equatorial segment is involved in sperm-egg plasma membrane fusion. The protein encoded by this gene is a member of the cysteine-rich secretory protein (CRISP) family. It is expressed in the epididymis, is secreted into the epididymal lumen, and binds to the postacrosomal region of the sperm head, where it plays a role in sperm-egg fusion. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2011]