

Product datasheet for **RG232278**

CRISP1 (NM_001205220) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRISP1 (NM_001205220) 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:	>RG232278 representing NM_001205220 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAATTAAACACCTCTGTTTTGGTTGCTGCTGCTTACTGCCTATGTTGTCCATGAAAAAGA
AATCAGCTAGAGACCAATTTAATAAGCTCGTCACCGACTTGCCAAATGTACAAGAAGAGATCGTTAATAT
ACACAACGCCCTCAGGAGAAGAGTAGTTCACCAGCCAGCAACATGCTGAAGATGAGTTGGAGTGAAGAG
GCTGCACAAAATGCCAGAATTTTTCAAAGTATTGTGATATGACAGAGAGCAACCCCTTGAGAGGAGAC
TTCCAAATACCTTTTGTGGAGAAAATATGCATATGACATCTTATCCTGTATCATGGTCAAGTGAATTGG
AGTCTGGTACAGTGAGTCTACAAGTTTCAAACATGGAGAATGGACAACAACGGATGATGACATACTACT
GACCACTACACTCAGATTGTTGGGCCACATCTTACCTGATTGGCTGTGCCATTGCATCTTGCCGCCAAC
AAGGATCACCTCGATATCTACGTTTGTCACTATTGTCATGAGGGAAATGATCCTGAAACAAAGAATGA
ACCTTATAAGACAGGCGTCCCATGTGAAGCCTGCCAAGTAACTGTGAAGACAACTTTGCACTAACCC
TGCATCTACTATGATGAATACTCGACTGTGACATACAAGTCCATTATCTGGGATGCAACCACTCAACAA
CTATCCTATTCTGTAAAGCCACTTGCTGTGTGACACTGAGATAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG232278 representing NM_001205220
Red=Cloning site Green=Tags(s)

MEIKHLLFLVAAACLPLMSMKKKSARDQFNKLVTDLPNVQEEIVNIHNALRRRVVPPASNMLKMSWSEE
 AAQNARIFSKYCDMTESNPLERRLPNTFCGENMHMTSYPVSWSSVIGVWYSESTSFKHGEWTTTDDDDITT
 DHYTQIVWATSYLIGCAIASCRQQGSPRYLYVCHYCHEGNDPETHKNEPYKTGVPCEACPSNCDKLCNTNP
 CIYYDEYFDCDIQVHYLGCNHSTTILFCKATCLCDTEIK

TRTRPLE - GFP Tag - V

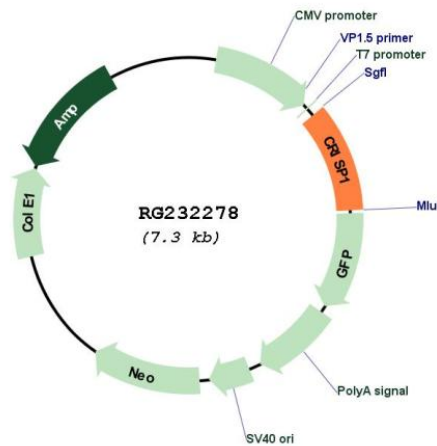
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001205220

ORF Size: 747 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:	<ol style="list-style-type: none">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_001205220.1 , NP_001192149.1
RefSeq Size:	1903 bp
RefSeq ORF:	750 bp
Locus ID:	167
UniProt ID:	P54107
Cytogenetics:	6p12.3
Gene Summary:	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]