

Product datasheet for **RC231112**

CRISP3 (NM_001190986) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	CRISP3
Synonyms:	Aeg2; CRISP-3; CRS3; dJ442L6.3; SGP28
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC231112 representing NM_001190986
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGAAACAAATACTTCATCCTGCTCTGAAACCACTGATCCCTGTTCCACCGGTTTTGTTTTCCAGCAA
TGACATTATTTCCAGTGTCTGTTCTGCTGGTGTGGGCTGCTTCCATCTTTCCAGCAAATGAAGATAA
GGATCCCGCTTTTACTGCTTTGTTAACCACCAACACAAGTGCAAAGGGAGATTGTGAATAAGCACAAT
GAACTGAGGAGAGCAGTATCTCCCTGCCAGAAACATGCTGAAGATGGAATGGAACAAAGAGGCTGCAG
CAAATGCCCAAAAGTGGGCAACCAAGTCAATTACAGACACAGTAACCCAAAGGATCGAATGACAAGTCT
AAAATGTGGTGAGAATCTCTACATGTCAAGTGCCTCCAGCTCATGGTCACAAGCAATCCAAAGCTGGTTT
GATGAGTACAATGATTTTGACTTTGGTGTAGGGCAAGACTCCCAACGCAGTGGTTGGACATTATACAC
AGGTTGTTGGTACTCTTCATACCTCGTTGGATGTGGAATGCCTACTGTCCAATCAAAAAGTTCTAAA
ATACTACTATGTTTGCCAATATTGTCTGCTGTAATTGGGCTAATAGACTATATGTCCCTTATGAACAA
GGAGCACCTTGTCAGTTGCCAGATAACTGTGACGATGGACTATGCACCAATGGTTGCAAGTACGAAG
ATCTCTATAGTAAGTGTAAAGTTTGAAGCTCACATTAACCTGTAAACATCAGTTGGTCAGGGACAGTTG
CAAGGCCTCCTGCAATTGTTCAAACAGCATTTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC231112 representing NM_001190986
Red=Cloning site Green=Tags(s)

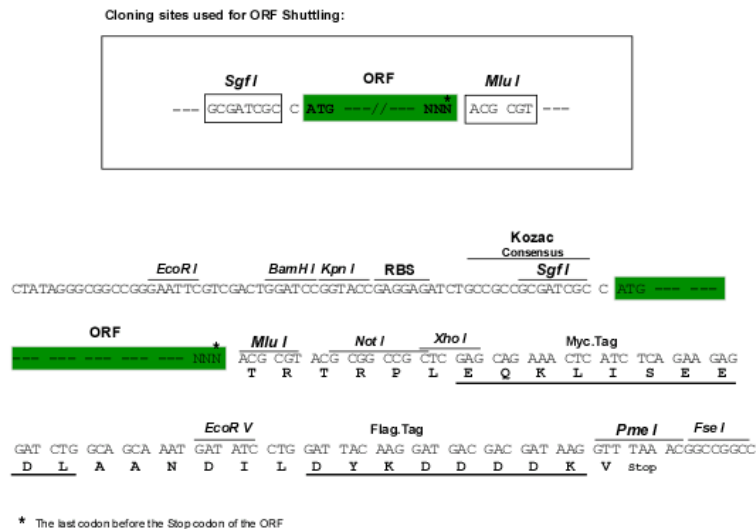
MKQILHPALETTPCSTGFVPAMTLFPVLLFLVAGLLPSFPANEDKDPAPTALLTTQTQVQREIVNKHN
ELRRVSPARNMLKMEWNKEAAANAQKWANQCNYRHSNPKDRMTSLKCGENLYMSSASSWSQAIQSWF
DEYNDFDFGVGPKTPNAVVGHYTQVWYSSYLVGCGNAYCPNQKLVKYYYVCQYCPAGNWANRLVYPYEQ
GAPCASCPCNDGDLCTNGCKYEDLYSNCKSLKLTLTCKHQLVRDSCASCNCNSNSIY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8048_b10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001190986

ORF Size: 804 bp

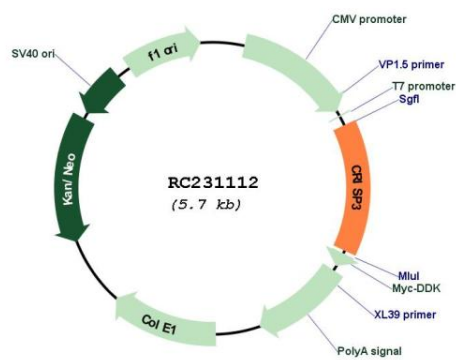
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001190986.2</u>
RefSeq ORF:	807 bp
Locus ID:	10321
UniProt ID:	<u>P54108</u>
Cytogenetics:	6p12.3
Protein Families:	Secreted Protein
MW:	30.6 kDa
Gene Summary:	This gene encodes a member of the cysteine-rich secretory protein (CRISP) family within the CRISP, antigen 5 and pathogenesis-related 1 proteins superfamily. The encoded protein has an N-terminal CRISP, antigen 5 and pathogenesis-related 1 proteins domain, a hinge region, and a C-terminal ion channel regulator domain. This protein contains cysteine residues, located in both the N- and C-terminal domains, that form eight disulfide bonds, a distinguishing characteristic of this family. This gene is expressed in the male reproductive tract where it plays a role in sperm function and fertilization, and the female reproductive tract where it plays a role in endometrial receptivity for embryo implantation. This gene is upregulated in certain types of prostate cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2016]

Product images:



Circular map for RC231112