

Product datasheet for **SC116385**

CRISP3 (NM_006061) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRISP3 (NM_006061) Human Untagged Clone
Tag:	Tag Free
Symbol:	CRISP3
Synonyms:	Aeg2; CRISP-3; CRS3; dj442L6.3; SGP28
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006061, the custom clone sequence may differ by one or more nucleotides

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ATGAAACAATACTTCATCCTGCTCTGGAACCCTGCAATGACATTATCCCAGTGCTGTTGTTCTGG
TTGCTGGGCTGCTCCATCTTTCCAGCAAATGAAGATAAGGATCCCGCTTTACTGCTTTGTTAACCC
CCAAACACAAGTGCAAAGGGAGATTGTGAATAAGCACAATGAACTGAGGAGAGCAGTATCTCCCCCTGCC
AGAAACATGCTGAAGATGGAATGGAACAAAGAGGCTGCAGCAAATGCCAAAAGTGGGCAAACCAGTGCA
ATTACAGACACAGTAACCCAAAGGATCGAATGACAAGTCTAAAATGTGGTGAGAATCTCTACATGCAAG
TGCCTCCAGCTCATGGTCACAAGCAATCCAAAGCTGGTTTGATGAGTACAATGATTTTGACTTTGGTGTA
GGGCAAAGACTCCCAACGCAGTGGTTGGACATTATACACAGGTTGTTTGGTACTCTTCATACCTCGTTG
GATGTGGAAATGCCTACTGTCCCAATCAAAAAGTTCTAAAATACTACTATGTTTGCCAATATTGTCCTGC
TGGTAATTGGGCTAATAGACTATATGTCCCTTATGAACAAGGAGCACCTTGTCAGTTGCCAGATAAC
TGTGACGATGGACTATGCACCAATGGTTGCAAGTACGAAGATCTCTATAGTAACTGTAAGTTTGAAGC
TCACATTAACCTGTAACATCAGTTGGTCAGGGACAGTTGCAAGGCCCTCTGCAATTGTTCAAACAGCAT
TTATTAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_006061 unedited NGGTCAGAATATTTGTATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGACTTC ATCCTGCTCTGGAACCACTGCAATGACATTATCCCAGTGCTGTTGTTCTCGTTGCTG GGCTGCTTCCATCTTTCCAGCAAATGAAGATAAGGATCCCGCTTTTACTGCTTTGTAA CCACCAAACACAAGTCAAAGGGAGATTGTGAATAAGCACAATGAACTGAGGAGAGCAG TATCTCCCCTGCCAGAAACATGCTGAAGATGGAATGGAACAAAGAGGCTGCAGCAAATG CCCAAAAGTGGGCAAACCAGTGCAATTACAGACACAGTAACCCAAAGGATCGAATGACAA GTCTAAAATGTGGTGAGAATCTCTACATGTCAAGTGCCCCAGCTCATGGTCACAAGCAA TCCAAAGCTGGTTTGATGAGTACAATGATTTTGACTTTGGTGTAGGGCCAAAGACTCCCA ACTCAGTGGTTGGACATTATACACAGGTTGTTGGTACTCTTCATACCTCGTTGGATGTG GAAATGCCTACTGTCCCAATCAAAAAGTTCTAAAATACTACTATGTTTGCCAATATTGTC CTGCTGGTAATTNGCTAATAGACTATATGTCCCTTATGAACAAGGAGCACCTTGTGCCA GTTGCCAGATAACTGTGACGATGGACTATGCACCAATGGTTGCAAGTACGAAGATCTCT ATAGTAACTGAAAAGTTNGAAGCTCACATTAACCTGNTAACATCAGTTGGTCAGGNACA GTTGCAAGGCCTCTGCATTNGNTCAAACAGCATTATTTNAATACGCATTACACACCGAG TAGGNCTATGTAGAGAGGAGTCAGATATCTACTTAGATTGGCATCTACTTAGATTACAT ATACTAGCTGAGAAATGTANGCATGTTNGAACACATTNGATTNCAATGNTT
Restriction Sites:	NotI-NotI
ACCN:	NM_006061
Insert Size:	2620 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_006061.1</u> , <u>NP_006052.1</u>
RefSeq Size:	2128 bp
RefSeq ORF:	738 bp
Locus ID:	10321
UniProt ID:	<u>P54108</u>
Cytogenetics:	6p12.3
Domains:	SCP
Protein Families:	Secreted Protein

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]

Transcript Variant: This variant (1) encodes isoform 1. CCDS Note: The coding region has been updated to extend the N-terminus to one that is more supported by the available transcript data. The updated start codon is found only in primates and it has a weak Kozak signal. It is possible that ribosomal leaky scanning may sometimes allow the better conserved downstream start codon to be used. There is no experimental evidence to indicate which start codon is preferentially used in vivo.