

## Product datasheet for **SC302975**

### CRISP1 (NM\_001131) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CRISP1 (NM_001131) Human Untagged Clone
Tag:	Tag Free
Symbol:	CRISP1
Synonyms:	AEGL1; ARP; CRISP-1; HEL-S-57; HSCRISP1D; HSCRISP1G; HUMARP
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001131 edited TGTGTGGACTTGGGGATGGAAATTAACACCTCTGTTTTTGGTTGCTGCTGCTTGCTTA CTGCCTATGTTGCCATGAAAAAGAAATCAGCTAGAGACCAATTAATAAGCTCGTCACC GACTTGCCAAATGTACAAGAAGAGATCGTTAATATACACAACGCCCTCAGGAGAAGAGTA GTTCCACCAGCCAGCAACATGCTGAAGATGAGTTGGAGTGAAGAGGCTGCACAAAATGCC AGAATTTTTTCAAAGTATTGTGATATGACAGAGCAACCCCTTGAGAGGAGACTTCCA AATACCTTTTGTGGAGAAAATATGCATATGACATCTTATCCTGTATCATGGTCAAGTGTA ATTGGAGTCTGGTACAGTGAGTCTACAAGTTTCAAACATGGAGAATGGACAACAACGGAT GATGACATAACTACTGACCACTACACTCAGATTGTTGGGCCACATCTTACCTGATTGGC TGTGCCATTGCATCTTGCCGCCAACAAGGATCACCTCGATATCTCTACGTTTGTCACTAT TGTCATGAGGGAATGATCCTGAAACAAAGAATGAACCTTATAAGACAGGCGTCCCATGT GAAGCCTGCCAAGTAAGTGTGAAGACAACTTTGCACTAACCCCTGCATCTACTATGAT GAATACTCGACTGTGACATACAAGTCCATTATCTGGGATGCAACCACTCAACAACATATC CTATTCTGTAAAGCCACTTGTCTGTGTGACACTGAGATAAAAATAGTCTAGA
Restriction Sites:	Please inquire
ACCN:	NM_001131
Insert Size:	800 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).



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<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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_001131.2</a> , <a href="#">NP_001122.2</a>
<b>RefSeq Size:</b>	1892 bp
<b>RefSeq ORF:</b>	750 bp
<b>Locus ID:</b>	167
<b>UniProt ID:</b>	<a href="#">P54107</a>
<b>Cytogenetics:</b>	6p12.3
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the predominant transcript and encodes the longer isoform (1). Variants 1 and 3 encode the same isoform.</p>