

## Product datasheet for **SC116329**

### **CROP (LUC7L3) (NM\_006107) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CROP (LUC7L3) (NM_006107) Human Untagged Clone
Tag:	Tag Free
Symbol:	CROP
Synonyms:	CRA; CREAP-1; CROP; hLuc7A; LUC7A; OA48-18
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006107, the custom clone sequence may differ by one or more nucleotides

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ATGATTTTCGGCCGCGCAGTTGTTGGATGAGTTAATGGGCCGGGACCGAAACCTAGCCCCGGACGAGAAGC
GCAGCAACGTGCGGTGGGACCACGAGAGCGTTTGTAAATATTATCTCTGTGGTTTTTGTCTCGCGAATT
GTTCCACAAATACACGTTCTGATCTTGGTCCGTGTAAAAAATTCATGATGAAAATCTACGAAAACAGTAT
GAGAAGAGCTCTCGTTTCATGAAAGTTGGCTATGAGAGAGATTTTTTGGCATACTTACAGAGCTTACTTG
CAGAAGTAGAACGTAGGATCAGACGAGGCCATGCTCGTTTGGCATTATCTCAAACCAGCAGTCTTCTGG
GGCCGCTGGCCCAACAGGCAAAAATGAAGAAAAAATTCAGGTTCTAACAGACAAAATTGATGTACTTCTG
CAACAGATTGAAGAATTAGGGTCTGAAGGAAAAGTAGAAGAAGCCAGGGGATGATGAAATTAGTTGAGC
AATTTAAAAGAAGAGAGAACTGCTAAGGTCCACAACGTGCAAAATTGAAAGCTTTGCTGCAAGAAAA
ACAAATGGAAGTTTGTGAAGTATGTGGAGCCTTTTTAATAGTAGGAGATGCCAGTCCCAGGTAGATGAC
CATTTGATGGGAAAAACAACATGGGCTATGCCAAAATTAAGGCTACTGTAGAAGAATTAAGAAAAAGT
TAAGGAAAAGAACCAGAACCTGATCGTGATGAGCGTCTAAAAAAGGAGAAGCAAGAAAGAGAAGAAAG
AGAAAAAGAACGGGAGAGAGAAAGGGAAGAAAGAGAAAGGAAAAGACGAAGGGAAGGAAGAAAGAGAA
AAAGAAAGGGCTCGTGACAGAGAAAGAAAGAAAGAGAAGTCTGTCACGAAGTAGACACTCAAGCCGAACAT
CAGACAGAAGATGCAGCAGGTCTCGGGACCACAAAAGGTCACGAAGTAGAGAAAGAAAGGCGGAGCAGAAG
TAGAGATCGACGAAGAAGCAGAAGCCATGATCGATCAGAAAGAAAACACAGATCCTGAAGTCGGGATCGA
AGAAGATCAAAAAGCCGGGATCGAAAGTCATATAAGCACAGGAGCAAAAAGTCGGGACAGAGAAACAAGATA
GAAAATCCAAGGAGAAAGAAAAGAGGGGATCTGATGATAAAAAAGTAGTGTGAAGTCCGGTAGTCGAGA
AAAGCAGAGTGAAGACACAAACTGAATCGAAGGAAAGTGATACTAAGAATGAGGTCAATGGGACCAGT
GAAGACATTAATCTGAAGGTGACACTCAGTCCAATTA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_006107 unedited</p> <pre>ACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGAAACACAGATCTCGAAGTCGG GATCGAAGAAGATCAAAAAGCCGGGATCGAAAAGTCATATAAGCACAGGAGCAAAAGTCGG GACAGAGAACAAGATAGAAAATCCAAGGAGAAAGAAAAGAGGGGATCTGATGATAAAAA AGTAGTGTGAAGTCCGGTAGTCGAGAAAAGCAGAGTGAAGACACAACACTGAATCGAAG GAAAGTGATACTAAGAATGAGGTCAATGGGACCAGTGAAGACATTAATCTGAAGGTGAC ACTCAGTCCAATTAACACTGATCTGATAAGACCTCAGATCAGACAGAGGTAAGTGATTG TTTCTCACTTTGATTAGGGCTTTTTGTTACTGTTTGACAGTGCAGCGTAAGTATGCACAG ATGAAGATGGAAC TAAGCCGAGTAAGAAGACATACAAAAGCCTCTTCTGAAGAAAAGAC AGTGTAGTCTGCAAAACATTTTGAGGTACATTGTTTGTCTCAGCTATTTGTAGCAGA CTCGTGCCCCCATTAGTGTGCCTCTTTGGAAATTATCGCCACATTTGTAATATAGTCGC CATTGAAAAGTTAATTATCCTTTTTTAGGGATTTTGATGTCATTTCTTNTTTTTTTTA ATAAAAAGGTTGAACTGTTTTTTTTTCTTTTTGGTATTAAGTCCATCTGTGTTNTA CATTGGCAGAGACATATGCTTTAAAAACTANATATTTCCGAGGCACATGTTGGACTACTT TGTTTTAATAAACTGCTAGTATTTCTTTGTCAAGGGATGTTCTAGTTTTTGTCTTATTG NCTTGCATTCTAAGCAGNTTGTCTGTAACCTCGAGAGCACTANCATTGGATTGATGGGAG TGTAGGGTTATGAATTATTGCGCTGACTACATACCTACACANCGTGGTGTGGGAGCGGC CTATGAAGNCAATTAAT</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_006107 unedited</p> <pre>NGGTTTTAGCTATGGACCGCGCCGCATNCTAGNGTCGAGTTTTTTTTTTTTTTTTTTTA GAGTCAATAACTTTATTAGAAAAAGATAATACTAAAACCTTTCAATGACAGAGACAATCA ACTTTGTAACAGAAAGTCAGAGATACTTTATTTTTACTTCTAAATCCAAAGGCTAAGTAG AGCAGAGTTGAAAAATGAAATCCCACTTAGTCTGATTACACGAATACTAACGTTTAAT CCTGTTTTCAAAGTCCAAGATTGAAAACCTGCAATTAACACTGACCAAGCCACATGTTT AAGTAATATTTCTAAAAAGTCTTAAAGAAAAAAGTATGATACAGGACCTAAGTTTTTCAG TGGCATATATACTATTAACACATGTTCTGAAATCTGGTAGGTCACATCAGTCCTGAATTA ACTTTTAATAATAATAATAAAAAAACTAACTGAGCTTTATACTTTTTCTATGCCACT ATAGCTTTCTTTACCTCATTTTTTAAATGTCGATCTTCACTTTATGCCGTTCTCAGTAT TCTTCCAAAAATCTTCGAACAGTAGTCTACAACGCAAAATTTGGGGAAAAATGATAATT AGACAACATGTAAGGCAATTTTTATGAGAAAGTGTGGCCAGTCACTAACTGCTAA TTAACATGTGTACATGGAATGCTTGTATTCTTTTTAATTATCAAGGCATCAGTGTGGTTC TTAAAGCCATGTGCCTGTGTATGCTTGCCTAAGTGTGAATGACATACACAGACATAACCT TACATTGCTTTCCAAAAGGGGAATGCCACCAACAAATCAACTAATTGGGACTTCCTTTT ATTAGAATATTTTGTCCACACCACTACCCACAGAATGAGGTTACAGTTTTAAGACACTT CCGT</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_006107
<b>Insert Size:</b>	2380 bp
<b>OTI Disclaimer:</b>	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).
<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).

**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.

**RefSeq:** [NM\\_006107.1](#), [NP\\_006098.1](#)

**RefSeq Size:** 2020 bp

**RefSeq ORF:** 171 bp

**Locus ID:** 51747

**UniProt ID:** [O95232](#)

**Cytogenetics:** 17q21.33

**Protein Families:** Stem cell - Pluripotency

**Gene Summary:** This gene encodes a protein with an N-terminal half that contains cysteine/histidine motifs and leucine zipper-like repeats, and the C-terminal half is rich in arginine and glutamate residues (RE domain) and arginine and serine residues (RS domain). This protein localizes with a speckled pattern in the nucleus, and could be involved in the formation of spliceosome via the RE and RS domains. Two alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Aug 2009]  
Transcript Variant: This variant (2) lacks an internal region in the 3' UTR, as compared to variant 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.