

## Product datasheet for SC108728

### CRIM1 (NM\_016441) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CRIM1 (NM_016441) Human Untagged Clone
Tag:	Tag Free
Symbol:	CRIM1
Synonyms:	CRIM-1; S52
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108728 sequence for NM_016441 edited (data generated by NextGen Sequencing)

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ATGTACTTGGTGGCGGGGACAGGGGTTGGCCGGCTGCGGGCACCTCCTGGTCTCGCTG
CTGGGGCTGCTGCTGCTGCTGGCGCGCTCCGGCACCCGGGCGCTGGTCTGCCTGCCCTGT
GACGAGTCCAAGTGCGAGGAGCCAGGAACTGCCCGGGAGCATCGTGCAGGGCGCTGCG
GGCTGCTGCTACACGTGCGCCAGCCAGAGGAACGAGAGCTGCGGCGGCACCTTCGGGATT
TACGGAACCTGCGACCGGGGGCTGCGTTGTGTCATCCGCCCCCGCTCAATGGCGACTCC
CTCACCGAGTACGAAGCGGGCGTTTGCAGAGATGAGAAGTGGACTGATGACCAACTGCTT
GGTTTTAAACCATGCAATGAAAACCTTATTGCTGGCTGCAATATAATCAATGGGAAATGT
GAATGTAAACACCATTCGAACCTGCAGCAATCCCTTTGAGTTTCCAAGTCAGGATATGTGC
CTTTCAGCTTTAAAGAGAATTGAAGAAGAGAAGCCAGATTGCTCCAAGGCCCGCTGTGAA
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GGGGAGTGCTGTCCCTTACCCAGCCGCTGCGTGTGCAACCCCGCAGGCTGTCTGCGCAA
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TGCTGTGACCTCTATGAGTGCAAACAGTTTTTCGGCGTGGACTGCAGGACTGTGGAATGC
CCTCCTGTTGAGCAGACCGCGTGTCCCGGACAGCTATGAAACTCAAGTCAGACTAACT
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GTGCCGAAGGAGAGTGTGCCAGTGTGTGAAGATCCAGTGTATCCTTTTAATAATCCC
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TGACATTCTGCCAGTGCCTCAACGGTGAACGCCACTGCGTTGCGACCGTCTGCGGACAG
ACCTGCACAAACCCTGTGAAAGTGCCTGGGGAGTGTGCCCTGTGTGCGAAGAACCAACC
ATCATCACAGTTGATCCACCTGCATGTGGGGAGTTATCAAAGTGCCTGACAGGGAAG
GACTGCATTAATGTTTTCAAACGCGATCACAATGTTGTGCGACCTGTCAGTGCATAAAC

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ACCGAGGAACTATGTTTCAGAACGTAAACAAGGCTGCACCTTGAAGTGTCCCTTCGGTTTC
CTTACTGATGCCCAAACTGTGAGATCTGTGAGTGCCGCCAAGGCCAAGAAGTGCAGA
CCCATAATCTGTGACAAGTATTGTCCACTTGGATTGCTGAAGAATAAGCACGGCTGTGAC
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TCATGTGCAGATGACTTTGTGGTGCAGAAGCCAGAGCTCAGTACTCCCTCCATTTGCCAC
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CAGGTAGATTACAGAGATAACAGGCTGCACCCAAGTGAAGATTCTTCACTGGACTCCATT
GCCTCAGTTGTGGTTCCCATATAATTATATGCCTCTCTATTATAATAGCATTCTATTATC
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TCCTTAAATAATCAGCTAGTATCTGTGGACTGCAAGAAAGGAACCAAGTCCAGGTGGAC
AGTTCCAGAGAAATGCTAAGAATTGCAGAACAGATGCAAGATTCAAGTGGCTTCTACAGC
ATGCAAAAACAGAACCATCTACAGGCAGACAATTTCTACCAAACAGTGTGA

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Clone variation with respect to NM\_016441.2

**5' Read Nucleotide Sequence:**

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>OriGene 5' read for NM_016441 unedited
NGTGTACATATGTATACGACTCCTATAGGCGGCCCGCAATTTCGACCAGAAGGAGGAG
GCGGCGGCGCGCAGGAGGATGACTTGGTGGCGGGGACAGGGGTTGGCCGGCTGCGG
GCACCTCCTGGTCTCGTGTGCTGGGGCTGCTGCTGCTGGCGGCTCCGGCACCCGGG
GCTGGTCTGCCTGCCCTGTGACGAGTCCAAGTGCAGGAGCCAGGAACTGCCCGGGGAG
CATCGTGCAGGGCTCTGCGGCTGCTGCTACACGTGCCAGCCAGGAAACGAGAGCTG
CGGCGGCACCTTCGGGATTTACGGAACCTGCGACCGGGGGCTGCGTTGTGTATCCGCC
CCCGCTCAATGGCGACTCCCTCACCGAGTACGAAGCGGGGCTTTGCGAAGATGAGAACTG
GACTGATGACCAACTGCTTGGTTTTAAACCATGCAATGAAAACCTTATTGCTGGCTGCAA
TATAATCAATGGGAAATGTGAATGTAACACCATTGCAACCTGCAGCAATCCCTTTGAGTT
TCCAAGTCAGGATATGTGCCCTTTCAGCTTTAAAGAGAATTGAAGAAGAGAAGCCAGATTG
CTCCAAGGCCCGCTGTGAAGTCCAGTTCTCTCCACGTTGTCTGAAGATTCTGTTCTGAT
CGAGGGTTATGCTCCTCCTGNGGAGTGTGTCCCTTACCAGCCGCTGCGTGTGCAACCC
CCGAGCTGTCTGCGCAAAGTCTGCCAGCCGGGAAACCTGAACATACTAGTGTCAAAGC
CTCAGGGAAGCCCGGAGAGTGTGTGACCTCTATGAGTCAAACCCAGTTTTTCGGTGGAA
CTGCNAGACTGTGGAATGCCCTCCTGTTACAGCAGACGCGTGTCCCCCGGCAGCTATGAA
ACTCAAGTCAGACTAACTGCAGATGNTGCT

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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_016441 unedited CTTGTCGAGCAAAAAATAGGTTGATCTTCCAGCATAATAAATTAGGTCATTATAATAATA AATTAATTTTTTTTAAAGTTCAGCAACCTCTGTCCAAGTATTTACAACAATACTTGAAAG TTCCTTTACAAAACAGAACACATTTTCTTTTACAGTTAAGCATACTGGGTATCTGTGTCT TTCACAACAAGCATTTTTAAAAGAAAACACTACTGCACAAATGGGTTAATTAGTATAAAAG TGCTAAGGGCGTGGTAAAAAGTTACCACTATAGCATAACAGGCCAGCTTATTCTGAGGCAT ACTACACCCAACCTCCGCCTTATGGCGGGCCACTCTCCAGTCCCCCCCCGCACACCCCT TGATGCGAAATACCTACCCGCCCGTCCCGTAGGTGGCCCGGGCGGTGCCCCACACAC CCGGCCCTCACCGTCGCGCTACCCCGCCGCGCTCGCCCTTACTCTCCCGTACCCCCAGC CCACTCTGCGACTCGGCTCGCCGTTCTAGCCAGCCCCACCCCGCCGCGGCTCGCG CGCCCCCGCTCAGCCGCTCGCTGGCATCCCCCTTGCCCCGACCTGGCTCCTCGCCCCG CGACCCACGCGCCCGCCCTGGCCGGCCGTCCCGCTCCGCCCCCGGCGCTGTGTACGTT GCTCCCCCGTCTCCCCCCCCGCGATCCTGCCCTCCCTCGTCCCGTTCCCCCCCTCCC CCGCGTGTGTTCCGCTCGTGGCGGCCGCCCTGCACGCGCCCGCACCCCGTCCCCCG GGCAGGCGCGACGGGTGAGCCGCGCCCGGGGCGCCGTCCGTGGGCGCCCTCGCGCGG CGCCCCGCGGGTCTCGCGCGCGCGGGGCTACTCCCGGCGGCCGCGGCGCGCCGCTCT CGGCCGGCGNCTCGCGGGCTGACCGGTGGCCGCCCGTGTGCGCGGCCGCGGCTTCGCG GGTTAGGCTGCGTTTTATCGTCGCCGTCTNTGAGCGTCTCCCCGCGT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_016441
<b>Insert Size:</b>	4000 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).
<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_016441.1</a> , <a href="#">NP_057525.1</a>
<b>RefSeq Size:</b>	5601 bp
<b>RefSeq ORF:</b>	3111 bp
<b>Locus ID:</b>	51232
<b>UniProt ID:</b>	<a href="#">Q9NZV1</a>
<b>Cytogenetics:</b>	2p22.2
<b>Domains:</b>	IB, VWC, Antistasin

**Protein Families:** Druggable Genome, Secreted Protein, Transmembrane

**Gene Summary:** This gene encodes a transmembrane protein containing six cysteine-rich repeat domains and an insulin-like growth factor-binding domain. The encoded protein may play a role in tissue development through interactions with members of the transforming growth factor beta family, such as bone morphogenetic proteins. [provided by RefSeq, Nov 2010]