

## Product datasheet for **SC326220**

### **CERT1 (NM\_001130105) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CERT1 (NM_001130105) Human Untagged Clone
Tag:	Tag Free
Symbol:	CERT1
Synonyms:	CERT; CERTL; COL4A3BP; GPBP; MRD34; STARD11
Vector:	<u>pCMV6 series</u>



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001130105, the custom clone sequence may differ by one or more nucleotides

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ATGCAGCACAGCTGCATCCCTACCCCGCCTCTCCTTTCTCCGCTCCTCCTGCTTTTCTA
CCCGTCGTCACCCGGGAGAGCCGGAGGGGGCTAAGTTCGGGTGGCAGCGCCGGGCGCAAC
GCAGGGGTACGGCGACGGCGGGCGGCTGACGGCTGGAAGGGTAGGCTTCCTTACCG
CTCGTCCCTCCTCCTCGCTCCGCTCGGTGTGAGCGCGGGCGGGCGGGCGGGCGGACT
TCGTCCCTCCTCCTGCTCCCCCACACCGGAGCGGGCACTCTTCGCTTCGCCATCCCC
GACCCTTCACCCGAGGACTGGGCGCTCCTCCGGCGCAGCTGAGGGAGCGGGGGCCGGT
CTCCTGCTCGGTTGTCGAGCCTCCATGTCGGATAATCAGAGCTGGAACCTGTCGGCTCG
GAGGAGGATCCAGAGACGGAGTCTGGGCGCCTGTGGAGCGCTGCGGGGTCTCAGTAAG
TGGACAACTACATTCATGGGTGGCAGGATCGTTGGGTAGTTTTGAAAAATAATGCTCTG
AGTTACTACAAATCTGAAGATGAAACAGAGTATGGCTGCAGAGGATCCATCTGTCTTAGC
AAGGCTGCATCACACCTCACGATTTTGTGAATGTCGATTTGATATTAGTAAATGAT
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GAACAGCACAAGACTGAATCTGGATATGGATCTGAATCCAGCTTTCGTCGACATGGCTCA
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AAAGGCCACAGTTTACGTGAGAAGTTGGCTGAAATGGAACATTTAGAGACATCTTATGT
AGACAAGTTGACACGCTACAGAAGTACTTTGATGCCTGTGCTGATGCTGTCTTAAGGAT
GAACCTCAAAGGGATAAAGTGGTAGAAGATGATGAAGTAGCTTTCCTACAACCGGTTCT
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CCAAAAGGAATTAATGGTATAGACTTTAAAGGGGAAGCGATAACTTTTAAAGCACTACT
GCTGGAATCCTTGCAACACTTTCTCATTGTATTGAACTAATGGTTAAACGTGAGGACAGC
TGGCAGAAGAGACTGGATAAGGAAACTGAGAAGAAAAGAAGAACAGAGGAAGCATATAAA
AATGCAATGACAGAACTTAAGAAAAAATCCCACTTTGGAGGACCAGATTATGAAGAAGGC
CCTAACAGTCTGATTAATGAAGAAGAGTTCTTTGATGCTGTTGAAGCTGCTCTTGACAGA
CAAGATAAAATAGAAGAACAGTCACAGAGTGAAAAGGTGAGATTACATTGGCCTACATCC
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TTCAGCTCCCAGGTTGAAGAGATGGTGCAGAACCACATGACTTACTCATTACAGGATGTA
GGCGGAGATGCCAATTGGCAGTTGGTTGTAGAAGAAGGAGAAATGAAGGTATACAGAAGA
GAAGTAGAAGAAAATGGGATTGTTCTGGATCCTTTAAAGCTACCCATGCAGTTAAAGGC
GTCACAGGACATGAAGTCTGCAATTATTTCTGGAATGTTGACGTTTCGCAATGACTGGGAA
ACAACATAGAAAACCTTTCATGTGGTGGAAACATTAGCTGATAATGCAATCATCATTAT
CAAACACACAAGAGGGTGTGGCCTGCTTCTCAGCGAGACGTATTATATCTTTCTGTCATT
CGAAAGATACCAGCCTTGACTGAAAATGACCCTGAAACTGGATAGTTTGTAAATTTTCT
GTGGATCATGACAGTGCCTCTAAACAACCGATGTGTCCGTGCCAAAATAAATGTTGCT
ATGATTTGTCAAACCTTGGTAAGCCACCAGAGGGAAACCAGGAAATTAGCAGGGACAAC
ATTCTATGCAAGATTACATATGTAGCTAATGTGAACCTGGAGGATGGCACCAGCCTCA
GTGTTAAGGGCAGTGGCAAAGCGAGAGTATCCTAAATTTCTAAAACGTTTTACTTCTTAC
GTCCAAGAAAAAAGCTGCAGGAAAGCCTATTTTGTTC

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**Restriction Sites:** Please inquire

**ACCN:** NM\_001130105

**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).

<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>	<u><a href="#">NM_001130105.1</a></u> , <u><a href="#">NP_001123577.1</a></u>
<b>RefSeq Size:</b>	5494 bp
<b>RefSeq ORF:</b>	2259 bp
<b>Locus ID:</b>	10087
<b>UniProt ID:</b>	<u><a href="#">Q9Y5P4</a></u>
<b>Cytogenetics:</b>	5q13.3
<b>Gene Summary:</b>	<p>This gene encodes a kinase that specifically phosphorylates the N-terminal region of the non-collagenous domain of the alpha 3 chain of type IV collagen, known as the Goodpasture antigen. Goodpasture disease is the result of an autoimmune response directed at this antigen. One isoform of this protein is also involved in ceramide intracellular transport. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) represents the longest transcript and encodes the longest isoform (3). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>