

Product datasheet for **SC116574**

CERT1 (NM_005713) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CERT1 (NM_005713) Human Untagged Clone
Tag:	Tag Free
Symbol:	CERT1
Synonyms:	CERT; CERTL; COL4A3BP; GPBP; MRD34; STARD11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_005713, the custom clone sequence may differ by one or more nucleotides

```

ATGTCGGATAATCAGAGCTGGAACCTCGTCGGGCTCGGAGGAGGATCCAGAGACGGAGTCTGGGCCGCTG
TGGAGCGCTCGGGGTCCTCAGTAAGTGGACAACTACATTCATGGGTGGCAGGATCGTTGGGTAGTTTT
GAAAAAATATGCTCTGAGTTACTACAACTGAAGATGAAACAGAGTATGGCTGCAGAGGATCCATCTGT
CTTAGCAAGGCTGCATCACACCTCACGATTTTGTGAATGTCGATTTGATATTAGTGATAATGATAGTG
TTTGGTATCTTCGTGCTCAGGATCCAGATCATAGACAGCAATGGATAGATGCCATTGAACAGCACAAAGC
TGAATCTGGATATGGATCTGAATCCAGCTTGCCTCGACATGGCTCAATGGTGTCCCTGGTGTCTGGAGCA
AGTGGCTACTCTGCAACATCCACCTCTTCAATCAAGAAAGGCCACAGTTTACGTGAGAAGTTGGCTGAAA
TGGAAACATTTAGAGACATCTTATGTAGACAAGTTGACACGCTACAGAAGTACTTTGATGCCTGTGCTGA
TGCTGTCTCTAAGGATGAACTTCAAAGGGATAAAGTGGTAGAAGATGATGAAGATGACTTTCCTACAACG
CGTTCTGATGGTACTTCTTGCATAGTACCAACGGCAATAAAGAAAAGTTATTTCCACATGTGACACCAA
AAGGAATTAATGGTATAGACTTTAAAGGGGAAGCGATAACTTTTTAAAGCAACTACTGCTGGAATCCTTGC
AACACTTTCTCATTGTATTGAACTAATGGTTAAACGTGAGGACAGCTGGCAGAAGAGACTGGATAAGGAA
ACTGAGAAGAAAAGAAGAACAGAGGAAGCATATAAAAAATGCAATGACAGAAGTAAAGAAAAATCCCACT
TTGGAGGACCAGATTATGAAGAAGGCCCTAACAGTCTGATTAATGAAGAAGAGTTCTTTGATGCTGTTGA
AGCTGCTCTTGACAGACAAGATAAAATAGAAGAACAGTACAGAGTGAAAAGGTGAGATTACATTGGCCT
ACATCCTTGCCCTCTGGAGATGCCTTTTCTTCTGTGGGACACATAGATTTGTCCAAAAGCCCTATAGTC
GCTCTTCTCCATGTCTTCCATTGATCTAGTCAGTGCCTCTGATGATGTTACAGATTACGCTCCAGGT
TGAAGAGATGGTGCAGAACCACATGACTTACTCATTACAGGATGATAGGCGGAGATGCCAATGGCAGTTG
GTTGTAGAAGAAGGAGAAAATGAAGGTATACAGAAGAGAAGTAGAAGAAAATGGGATTTGTTCTGGATCCTT
TAAAGCTACCCATGCAGTTAAAGGCGTACAGGACATGAAGTCTGCAATTTTTCTGGAATGTTGACGT
TCGCAATGACTGGAAACAATAAGAAAATTTTATGTTGGTGGAAACATTAGCTGATAATGCAATCATC
ATTTATCAAACACACAAGAGGGTGTGGCCTGCTTCTCAGCGAGACGTATTATATCTTTCTGTCATTGCAA
AGATACCAGCCTTGACTGAAAATGACCCTGAAACTTGGATAGTTTGAATTTTTCTGTTGATCATGACAG
TGCTCCTCTAAACAACCGATGTGTCGTCGCAAAAATAAATGTTGCTATGATTTGTCAAACCTTGGTAAGC
CCACCAGAGGAAACCAGGAAATAGCAGGGACAACATTTCTATGCAAGATTACATATGTAGCTAATGTGA
ACCCTGGAGGATGGCACCAGCCTCAGTGTTAAGGGCAGTGGCAAAGCGAGAGTATCCTAAATTTCTAAA
ACGTTTTACTTCTACGTCCAAGAAAAACTGCAGGAAAGCCTATTTTGTCTAG
    
```

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005713 unedited

```

GGCGGGGGGNNCNCNTTTTTCCCCCNNGGTTCAAAATGTATACGACTCCTATAGGCC
GCCGCGNAATTCGCACGAGGCGGTAGCGGAGGTGTGAGTGGACGCGGGACTCAGCGGCCG
GATTTTCTCTTCCCTTCTTTCCCTTTTCCCTTATTTGAAAATGGCATCGAGGGGGC
TAAGTTCCGGTGGCAGCGCCGGGCGCAACGCAGGGGTACGGCGACGGCGCGCGGCTG
ACGGCTGGAAGGGTAGGCTTCTTACCCTCGTCTCCTTCTCCTCGCTCCGCTCGGTGTC
AGGCGCGGCGGGCGGGCGGGCGGACTTCGTCCTCCTCCTGCTCCCCCACACCGG
AGCGGGCACTCTTCGCTTCGCCATCCCCGACCCTTACCCCCGAGGACTGGGCGCCTCCT
CCGGCGCAGCTGAGGGAGCGGGGCGGCTCCTGCTCGGTTGTCGAGCCTCCATGTCGG
ATAATCAGAGCTGGAACCTCGTCGGGCTCGGAGGAGGATCCAGAGACGGAGTCTGGCCGC
CTGTGGAGCGCTCGGNGTCTCAGTAAGTGGACAACTACATTCATGGGTGGCAGGATC
GTTGGGTAGTTTTGAAAATAATGCTCTGAGTTACTACAACTGAAGATGAAACAGAGT
ATGGCTGCAGAGGATCCATCTGTCTTAGCAAGGCTGTCATCACACCTCACGATTTTGATG
AATGTCGATTTGATATTAGTGATAATGATAGTGTGGTATCCTTCGTGCTCAGGATCCA
GATCATAGACAGCAATGGATAGATGCCATTTGACAGCACAAAGACTGGATCTGGATATGGA
TCTGAATCCACCTTGCCTCGACATGGCTAAATGTGGCCCTGGTGTCTGAAGCAGTGGTT
ACTTCTGCACATCCACCTTCTTATTGAGGAAAGCCACANTTACATGAAAAGTTGGCTAAA
TGAACATTTAAGACATCTAGGTAG
    
```

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_005713 unedited CCGCGGCCGAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTCTCCAACATGGAATGTCA ACAGCCTTGCTTCAGTACTGTTAATACTACAACAAAATAGGCTTTCCTGCAGTTTTTCT TGGACGTAAGAAGCAAAACGTTTTAAAAATTTAGGATACTCTCGCTTGGCACTGCCCTT TAACACTGAGGCTGGTGCCCATTCCTCAGGGTCACATTACCTCCATGGGAATCTTGCC TAGAATGTTGCCCTGCTAATTGCCTGGCTCCCCTATGGAGGGCTTACCAAGGTTTGCA AAATAATAGCAACCTTTTATCTTCCGCCGCACACATCGGCTGTTAAGAGGAGAAGTTGG GTTGACCAACAGACAACCTCCACCTCTCCCTTCTACGGCCATTTTTCACCCCGGGCTG TGTTTTCTAATTGACAGAAATATACTTTTCTTTTTCTTGAGTATAAGTCTCCCTC CTTTTGTGTTTTATTATTATTACCGCCTTCTCTTCTGTCTCTGAGCCCGCTCACGC CATGTTCTGTGTGCTGTCAGACGCGGACGGCATCCGACCCCGCGCGGACGCCACCCTCC CCCCCGCCCTCCGTCTCCACCCCCACGCCACCCCCCGGAGGCCACTCCTTT CCTTCTGGCCGTACTCCTTGGGCGTGTGCTCGCTCGGCGAGCGCCCGCTCAG ACGACCACACGGAACCGCTCAACGCACTTCGCTGCGCACCGATTGTCGTAGTCCATCCG CTGTATGGTACCGCCATCGACCACCACTAAGGCCGCTCTCGCTCTCTCTTTCTCA CCTTCTCCCTTCTGACCGCCCTGCCATCTACTACATCCGCCCTCTCCCTCCAAA CCCTCGCCGCTACCTCCCCCTCTCCACCCGCTTCCGCCCGCGAGCCCCG
Restriction Sites:	NotI-NotI
ACCN:	NM_005713
Insert Size:	2290 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_005713.1</u> , <u>NP_005704.1</u>
RefSeq Size:	5395 bp
RefSeq ORF:	1875 bp
Locus ID:	10087
UniProt ID:	<u>Q9Y5P4</u>
Cytogenetics:	5q13.3
Domains:	PH, START

Gene Summary:

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]

Transcript Variant: This variant (1) differs in the 5' UTR and coding region compared to variant 3. The resulting isoform (1) is shorter at the N-terminus compared to 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.