

## Product datasheet for **SC307365**

### CD272 (BTLA) (NM\_181780) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD272 (BTLA) (NM_181780) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD272
Synonyms:	BTLA1; CD272
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_181780 edited  
 CCCTTCAGCACTCAGAAGACGAAGCAAAGCCTTCTACTTGAGCAGTTTTTCCATCACTGA  
 TATGTGCAGGAAATGAAGACATTGCCTGCCATGCTTGGAACTGGGAAATTATTTGGGTC  
 TTCTTCTTAATCCCATATCTGGACATCTGGAACATCCATGGGAAAGAATCATGTGATGTA  
 CAGCTTTATATAAAGAGACAATCTGAACACTCCATCTTAGCAGGAGATCCCTTTGAACTA  
 GAATGCCCTGTGAAATACTGTGCTAACAGGCCTCATGTGACTTGGTGCAAGCTCAATGGA  
 ACAACATGTGTAATACTGAAGATAGACAAACAAGTTGGAAGGAAGAGAAGAACATTTCA  
 TTTTTCATTCTACATTTGAACCACTGCTTCTAATGACAATGGGTCATACCGCTGTTCT  
 GCAAAATTTTCAGTCTAATCTCATTGAAAGCCACTCAACAACCTTTATGTGACAGATGTA  
 AAAAGTGCCTCAGAACGACCCTCCAAGGACGAAATGGCAAGCAGACCCTGGCTCCTGTAT  
 AGTTTACTTCTTTGGGGGATTGCCTCTACTCATCACTACCTGTTTCTGCCTGTTCTGC  
 TGCTGAGAAGGCACCAAGGAAAGCAAAATGAACTCTCTGACACAGCAGGAAGGGAAATT  
 AACCTGGTTGATGCTCACCTTAAGAGTGAGCAAACAGAAGCAAGCACCAGGCAAAATTC  
 CAAGTACTGCTATCAGAACTGGAATTTATGATAATGACCCTGACCTTTGTTTCAGGATG  
 CAGGAAGGGTCTGAAGTTTATTCTAATCCATGCCTGGAAGAAAACAAACCAGGCATTGTT  
 TATGCTTCCCTGAACATTCTGTGATTGGACTGAACTCAAGACTGGCAAGAAATGTA  
 GAAGCACCAACAGAATATGCATCCATATGTGTGAGGAGTTAAGTCTGTTTCTGACTCCAA  
 CAGGGACCACTGAATAAGGGCGAATTCAGATCTGGTACCGATATCAAGCTTGTGACTCT  
 AGATTGCGGCGCGGTCATAGCTGTTTCTGAAACAGATCCCGGGTGGCATCCCTGTGACC  
 CCTCCCAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAAGTCCCACCAAGCCTTGTC  
 TAATAAAATTAAGTTGCATCATTTTGTCTGACTAGGTGTCTTCTATAATATTATGGGGT  
 G



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_181780 unedited  
 GGGGACGTTCAAATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGCCCTTCAG  
 CACTCAGAAGACGAAGCAAAGCCTTCTACTTGAGCAGTTTTTCCATCACTGATATGTGCA  
 GGAAATGAAGACATTGCCTGCCATGCTTGGAACTGGGAAATTATTTGGGTCTTCTTCTT  
 AATCCCATATCTGGACATCTGGAACATCCATGGGAAAGAATCATGTGATGTACAGCTTTA  
 TATAAAGAGACAATCTGAACACTCCATCTTAGCAGGAGATCCCTTTGAACTAGAATGCC  
 TGTGAAATACTGTGCTAACAGGCCTCATGTGACTTGGTGCAAGCTCAATGGAACAACATG  
 TGTAAAACCTTGAAGATAGACAAAACAAGTTGGAAGGAAGAGAAGAACATTTCAATTTTCAT  
 TCTACATTTTGAACCAAGTGCTTCCATAATGACAATGGGTCATACCGCTGTTCTGCAAATTT  
 TCAGTCTAATCTCATTGAAAGCCACTCAACAACCTTTTATGTGACAGATGTAAAAAGTGC  
 CTCAGAACGACCCTCCAAGGACGAAATGGCAAGCAGACCCTGGCTCCTGTATAGTTTACT  
 TCCTTTGGGGGATTGCCTCTACTCATCACTACCTGTTTCTGCCTGTTCTGCTGCCTGAG  
 AAGGCACCAAGGAAAGCAAAATGAACTCTCTGACACAGCAGGAAGGGAAATTAACCTGGT  
 TGATGCTCACCTAAGAGTGAGCAAACAGAAGCAAGCACCAGGCAAAATCCCAAGTACT  
 GCTATCAGAACTGGAATTTATGATAATGACCCTGACCTTTGTTTCANGATGCANGAAGG  
 GTCTGAAGTTTATTCTAATCCATGCCTGGAAGAAAACAACCAGGCATTGTTTATGCTTCC  
 CTGACCAT

**3' Read Nucleotide Sequence:**

>Forward primer walk for NM\_181780 unedited  
 NGGTTGGAACGACAAAANAACAGNCACCAGGCAAAATCCCAATACTGCTATCANAACTG  
 GAATTTATGATAATGACCCTGACCTTTGTTTCAGGATGCAGGAAGGGTCTGAAGTTTATT  
 CTAATCCATGCCTGGAAGAAAACAACCAGGCATTGTTTATGCTTCCCTGAACCATTCTG  
 TCATTGGACTGAACTCAAGACTGGCAAGAAATGTAAAAGAAGCACAACAGAATATGCAT  
 CCATATGTGTGAGGAGTTAAGTCTGTTTCTGACTCCAACAGGGACCACTGAATAAGGGCG  
 AATTTCAGATCTGGTACCGATATCAAGCTTGTGACTCTAGATTGCGGCCGCGGTCAATAGC  
 TGTTTTCTGAACAGATCCCGGTGGCATCCCTGTGACCCCTCCCCAGTGCCTCTCCTGGC  
 CCTGGAAGTTGCCACTCCAGTGCCACCAGCCTTGTCTAATAAAATTAAGTTGCATCAT  
 TTTGTCTGACTAGGTGCCTTCTATAATATTATGGGGTGAGGGNGGGTGGTATGGAGCAA  
 GGGGCAAGTTGGGAAGACAACCTGTAGGGCCTGCGGGTCTATTGGGAACCAAGCTGGAG  
 TGCAGTGGCACAATCTTGGCTCACTGCAATCTCCGCCTCCTGGGTTCAAGCGATTCTCCT  
 GCCTCAGCCTCCCGAGTTGTTGGGATTCCAGGCATGCATGACCAGGCTCAGCTAATTTTT  
 GTTTTTTGGTAGAGACGGGGTTTCAACCATATTGGCCAGGCTGGTCTCCAACCTCCTAATC  
 TCAGGTGATCTACCCACCTTGGCCTCCCAATTGCTGGGATTACAGGCGTGAACCCTGCT  
 CCCTTCCCTGTCTTCTGATTTTAAAATAACTATACCAGCAGGAGGACGTCCAGACACAG  
 G

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_181780

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<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_181780.2</a> , <a href="#">NP_861445.2</a>
<b>RefSeq Size:</b>	1239 bp
<b>RefSeq ORF:</b>	870 bp
<b>Locus ID:</b>	151888
<b>UniProt ID:</b>	<a href="#">Q7Z6A9</a>
<b>Cytogenetics:</b>	3q13.2
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>This gene encodes a member of the immunoglobulin superfamily. The encoded protein contains a single immunoglobulin (Ig) domain and is a receptor that relays inhibitory signals to suppress the immune response. Alternative splicing results in multiple transcript variants. Polymorphisms in this gene have been associated with an increased risk of rheumatoid arthritis. [provided by RefSeq, Aug 2011]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>