

Product datasheet for **SC316167**

CD272 (BTLA) (NM_001085357) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD272 (BTLA) (NM_001085357) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD272
Synonyms:	BTLA1; CD272
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316167 representing NM_001085357. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGACATTGCCTGCCATGCTTGGAAGTGGGAAATTATTTGGGTCTTCTTAAATCCCATATCTG
GACATCTGGAACATCCATGGGAAAGAATCATGTGATGTACAGCTTTATATAAAGAGACAATCTGAACAC
TCCATCTTAGCAGGAGATCCCTTTGAACTAGAATGCCCTGTGAAATACTGTGCTAACAGGCCTCATGTG
ACTTGGTGCAAGCTCAATGGAACAACATGTGTAAACTGAAGATAGACAAACAAGTTGGAAGGAAGAG
AAGAACATTTTCATTTTCATTCTACATTTGAACCAAGTCTCCTAATGACAATGGGTATACCGCTGT
TCTGCAAATTTTCAGTCTAATCTCATTGAAAGCCACTCAACAACCTTTTATGTGACAGGAAAGCAAAT
GAACTCTCTGACACAGCAGGAAGGGAAATTAACCTGGTTGATGCTCACCTTAAGAGTGAGCAAACAGAA
GCAAGCACCAGGCAAAATTCCTAAGTACTGCTATCAGAACTGGAATTTATGATAATGACCTGACCTT
TGTTTCAGGATGCAGGAAGGGTCTGAAGTTTATTCTAATCCATGCCTGGAAGAAAACAAACCAGGCATT
GTTTATGCTTCCCTGAACCATTCTGTCATTGGACCGAACTCAAGACTGGCAAGAAATGTAAGAAGAGCA
CCAACAGAATATGCATCCATATGTGTGAGGAGTTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001085357
Insert Size:	726 bp



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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).
OTI Annotation:	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.
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_001085357.1</u>
RefSeq Size:	3072 bp
RefSeq ORF:	726 bp
Locus ID:	151888
UniProt ID:	<u>Q7Z6A9</u>
Cytogenetics:	3q13.2
Protein Families:	Transmembrane
MW:	27.3 kDa
Gene Summary:	<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 (2) lacks an alternate in-frame exon, compared to variant 1, resulting in a shorter protein (isoform 2), compared to isoform 1.</p>