

## Product datasheet for **SC337721**

### CD101 (NM\_001256111) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD101 (NM_001256111) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD101
Synonyms:	EWI-101; IGSF2; V7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001256111, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGGCATCTCATATGTGGCATCTTTCTTCTCTTCTGACTAAGCTCAGCATTGGCCAGAGAGAAG
TAACAGTTTCAGAAAGGACCACTGTTTAGAGCTGAAGGTTACCCAGTCAGCATTGGCTGCAATGTAAGTGG
CCACCAGGGACCTTCTGAGCAGCATTTCAGTGGTCTGTTTACCTGCCGACAAACCCGACCCAGGAAGTC
CAGATCATTAGCACCAAGGATGCTGCCTTCTTACGCAGTATATACGCAGCGGGTGCGAAGCGGAGACG
TCTACGTGGAGAGGGTCCAGGGCAACTCAGTCTTGTGACATCTCAAACTCCAGATGAAGGATGCTGG
CGAGTATGAGTGTACACACCAAACACTGATGAGAAATACTATGGAAGTTACAGTGCAAAGACTAATCTA
ATTGATTTTATATTGGTCCCTGGGCCCTTGATACAGAGCGGTTTGCAGCCAGTGACGTACAGCTCAACA
AACTGGGACCCACTACATTCAGGCTGTCCATAGAGAGGCTCCAGTCTCAGATCAGGGTCAGCTGTTCTG
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ATGTTAACCAACACCTTTGACCTGTCTGTGCTGAGGGCCGTTACTCTGACCTCAAGGTGCCACTCA
CTGTGACGTGGCAGTTCAGCCAGCTAGCTCTCACATCTTCCACCAGTTATTCGAATCACCCACAATGG
CACTATTGAATGGGGGAATTTCCATCCCGTTCCAAAAGAAGACGAAAGTGTGCGAGCTTTATTTCTG
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ACAGAAATTCCTATAACAACCCGCCCCGAGGGCTTCTGCCATCTCTCACCCACTGAGGATAGCCGT
CACTTTACCAGAGAGCAAGCTAAAAGTGAATTCAGGAGTCAAGTCCAAGAGCTCTCCATCAACTCCAAC
ACTGATATAGAATGTAGCATCTTGTCCCGTCCAATGAAACCTTCAGTTAGCCATTATTTGGTATTTTT
CTCCTGTTTCCACTAATGCCTCTTGGCTAAAGATCCTGGAGATGGACCAAACCAATGTTATAAAACTGG
GGATGAGTTTACACCCACAGAGAAAACAAAATTTCACTGAGAAGGTTTCCCAAGACTTATTTTCAG
CTGCACATTTGAATGTGGAAGACAGCGATCGGGGCAAAATCACTGTGCTGTGGAGGAATGGCTCCTGT
CTACAAATGGCACTTGGCACAAGCTTGGAGAAAAGAAGTCAGGACTAACAGAATTGAAACTCAAGCCAC
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CGCTGCAGCCTGGAGAGTGTAGGCAGCTCAGCCACTCTGACTCTGTGATGTGGTACTGGAACAGAGAAA
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GAGGCACCTGCACTGTTACCGTTCATCCTCTACAGACTTTGTCCCTGAAGCTTCATCAGGTGGAGATGGAG
GATGCAGGAATGTACTGGTGTAGGGTGGCAGAGTGGCAGCTCCATGGACCCCAAGCAAGTGGATTAATC
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CTGCTCCTCGGCCCTTACTCTATTTCTGTTTCTGTCCCTTCTGCTCCTCTCTCTCTCTCTCTCTCTCT
TCCCTCCTCTGCTTATACTGGAAGGCCAGGAAGTTGTCAACACTGCGTTCCAACACACGGAAGAAAAAG
CTCTCTGGGTGGACTTGAAGAGGCTGGAGGTGTACCACAAATAGGAGGGAAGACGAGGAGGAAGATGA
AGGCAACTGA
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**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001256111

<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>	<u><a href="#">NM_001256111.2</a></u> , <u><a href="#">NP_001243040.1</a></u>
<b>RefSeq Size:</b>	3334 bp
<b>RefSeq ORF:</b>	2880 bp
<b>Locus ID:</b>	9398
<b>Cytogenetics:</b>	1p13.1
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>Plays a role as inhibitor of T-cells proliferation induced by CD3. Inhibits expression of IL2RA on activated T-cells and secretion of IL2. Inhibits tyrosine kinases that are required for IL2 production and cellular proliferation. Inhibits phospholipase C-gamma-1/PLCG1 phosphorylation and subsequent CD3-induced changes in intracellular free calcium. Prevents nuclear translocation of nuclear factor of activated T-cell to the nucleus. Plays a role in the inhibition of T-cell proliferation via IL10 secretion by cutaneous dendritic cells. May be a marker of CD4(+) CD56(+) leukemic tumor cells.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) uses an alternate in-frame splice site in the 5' coding region, and also an alternate splice site in the 3' UTR, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>