

Product datasheet for **SC332297**

CD101 (NM_001256109) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD101 (NM_001256109) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD101
Synonyms:	EWI-101; IGSF2; V7
Vector:	pCMV6-Entry (PS100001)



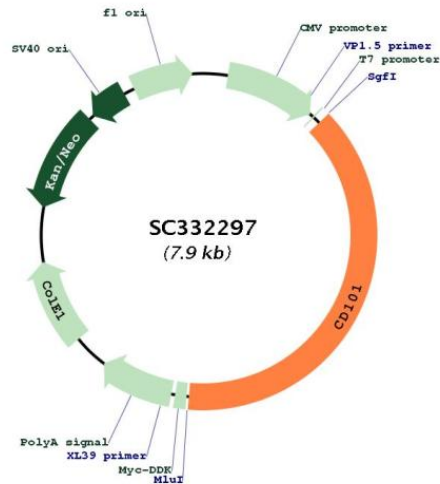
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Fully Sequenced ORF: >SC332297 representing NM_001256109.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_001256109

Insert Size: 3066 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:

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: [NM_001256109.2](#)

RefSeq Size: 3520 bp

RefSeq ORF: 3066 bp

Locus ID: 9398

UniProt ID: [Q93033](#)

Cytogenetics: 1p13.1

Protein Families: Transmembrane

MW: 115.1 kDa

Gene Summary:

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]
Transcript Variant: This variant (3) uses an alternate splice site in the 3' UTR, compared to variant 1. Variants 1, 2 and 3 all encode isoform 1.