

Product datasheet for **RG239827**

CD101 (NM_001256111) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD101 (NM_001256111) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CD101
Synonyms:	EWI-101; IGSF2; V7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239827 representing NM_001256111.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
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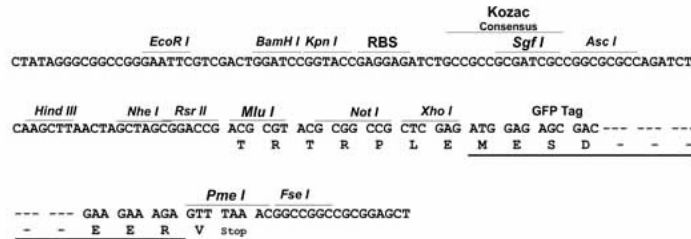
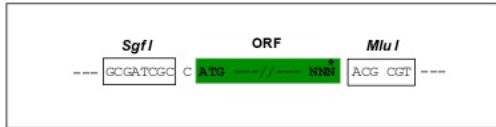
Protein Sequence: >Peptide sequence encoded by RG239827
 Blue=ORF Red=Cloning site Green=Tag(s)

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Restriction Sites: Sgfl-MluI

Cloning Scheme:

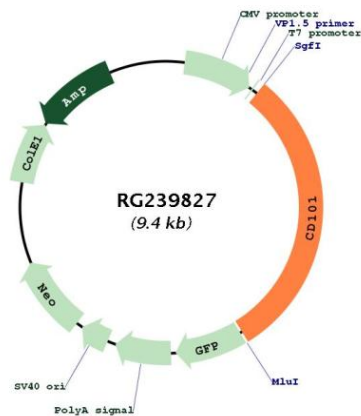
Cloning sites used for ORF Shutting:



ACCN: NM_001256111

ORF Size:	2877 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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).
RefSeq:	NM_001256111.2 , NP_001243040.1
RefSeq Size:	3334 bp
RefSeq ORF:	2880 bp
Locus ID:	9398
Cytogenetics:	1p13.1
Protein Families:	Transmembrane
MW:	109.1 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]

Product images:



Circular map for RG239827