

## Product datasheet for **SC310704**

### CD151 (NM\_139029) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD151 (NM_139029) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD151
Synonyms:	GP27; MER2; PETA-3; RAPH; SFA1; TSPAN24
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310704 representing NM_139029. Blue=Insert sequence Red=Cloning site Green=Tag(s)

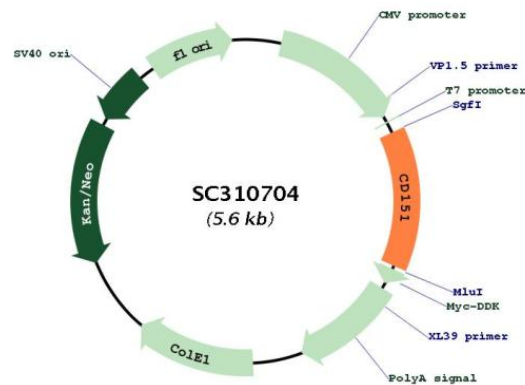
```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGGTGAGTTCAACGAGAAGAAGACAACATGTGGCACCGGTTTGCCTCAAGTACCTGCTGTTACCTAC
AATTGCTGCTTCTGGCTGGCTGGCTGGCTGTCATGGCAGTGGGCATCTGGACGCTGGCCCTCAAGAGT
GACTACATCAGCCTGCTGGCCTCAGGCACCTACCTGGCCACAGCCTACATCCTGGTGGTGGCGGGCACT
GTCGTCATGGTGACTGGGTCTTGGGCTGCTGCCACCTTCAAGGAGCGTCGGAACCTGCTGCCCTG
TACTTCATCCTGCTCCTCATCATCTTTCTGCTGGAGATCATCGCTGGTATCCTCGCTACGCCTACTAC
CAGCAGCTGAACACGGAGCTCAAGGAGAACCTGAAGGACACCATGACCAAGCGCTACCACCAGCCGGGC
CATGAGGCTGTGACCAGCGCTGTGGACCAGCTGCAGCAGGAGTTCCACTGCTGTGGCAGCAACAACCTCA
CAGGACTGGCGAGACAGTGAGTGGATCCGCTCACAGGAGCCGGTGGCCGTGTGGTCCCAGACAGCTGC
TGCAAGACGGTGGTGGCTCTTTGTGGGCAGCGAGACCATGCCCTCAACATCTACAAGGTGGAGGGCGGC
TGCATACCAAGTTGGAGACCTTCATCCAGGAGCACCTGAGGGTCATTGGGGCTGTGGGGATCGGCATT
GCCTGTGTGCAGGTCTTTGGCATGATCTTACGTGCTGCCTGTACAGGAGTCTCAAGCTGGAGCACTAC
TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: Sgfl-MluI



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## Plasmid Map:



ACCN: NM\_139029

Insert Size: 762 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).

**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:**

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\\_139029.1](#)

RefSeq Size: 1570 bp

RefSeq ORF: 762 bp

Locus ID: 977

UniProt ID: [P48509](#)

Cytogenetics: 11p15.5

Protein Families: Druggable Genome, Transmembrane

MW: 28.3 kDa

**Gene Summary:** The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. It is involved in cellular processes including cell adhesion and may regulate integrin trafficking and/or function. This protein enhances cell motility, invasion and metastasis of cancer cells. Multiple alternatively spliced transcript variants that encode the same protein have been described for this gene. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (4) uses an alternate splice site in the 5' UTR, compared to variant 1. All variants encode the same protein.