

Product datasheet for **SC124478**

CD151 (NM_139030) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD151 (NM_139030) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD151
Synonyms:	GP27; MER2; PETA-3; RAPH; SFA1; TSPAN24
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC124478 sequence for NM_139030 edited (data generated by NextGen Sequencing)

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ATGGGTGAGTTCAACGAGAAGAAGACAACATGTGGCACCCTTTCCTCAAGTACCTGCTG
TTTACCTACAATTGCTGCTTCTGGCTGGCTGGCCTGGCTGTCATGGCAGTGGGCATCTGG
ACGCTGGCCCTCAAGAGTGACTACATCAGCCTGCTGGCCTCAGGCACCTACCTGGCCACA
GCCTACATCCTGGTGGTGGCGGCACTGTCGTCATGGTGACTGGGGTCTTGGGCTGCTGC
GCCACCTTCAAGGAGCGTCGGAACCTGCTGCGCCTGTACTTCATCCTGCTCCTCATCATC
TTTCTGCTGGAGATCATCGCTGGTATCCTCGCCTACGCCTACTACCAGCAGCTGAACAGC
GAGCTCAAGGAGAACCTGAAGGACACCATGACCAAGCGCTACCACCAGCCGGGCCATGAG
GCTGTGACCAGCGCTGTGGACCAGCTGCAGCAGGAGTTCCACTGCTGTGGCAGCAACAAC
TCACAGGACTGGCGAGACAGTGAGTGGATCCGCTCACAGGAGCCGGTGGCCGTGTGGTC
CCAGACAGCTGCTGCAAGACGGTGGTGGCTCTTTGTGGGACGAGACCATGCCTCCAAC
ATCTACAAGGTGGAGGGCGGCTGCATCACAAGTTGGAGACCTTCATCCAGGAGCACCTG
AGGGTCATTGGGGCTGTGGGGATCGGCATTGCCTGTGTGCAGGTCTTTGGCATGATCTTC
ACGTGCTGCCTGTACAGGAGTCTCAAGCTGGAGCACTACTGA
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Clone variation with respect to NM_139030.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_139030 unedited GTCAGATTTGTATACGACTCACTATAGGGCGGCCGCGATTTCGGCACCAGGCCGCCCGC AGCTGCCCGCCGCCAGGCCCGGACTCGGACGCGTGGTAGCCTAGAGTCCTGGGGAGCT TCTGTCCACCTGTCTGCAGAGGAGTCGTTTCCAGCCCGGCTGCCCCAGGATGGGTGAGT TCAACGAGAAGAAGACAACATGTGGCACCGTTTGCCTCAAGTACCTGCTGTTTACCTACA ATTGCTGCTTCTGGCTGGCTGGCTGTGCATGGCAGTGGGCATCTGGACGCTGGCCC TCAAGAGTGACTACATCAGCCTGCTGGCCTCAGGCACCTACCTGGCCACAGCCTACATCC TGGTGGTGGCGGCACTGTCGTATGGTACTGGGTCTTGGGCTGCTGCGCCACCTTCA AGGAGCGTCGGAACCTGCTGCGCCTGTACTTCATCCTGCTCCTCATCATCTTTCTGCTGG AGATCATCGCTGGTATCCTCGCCTACGCCTACTACCAGCAGCTGAACACGGAGCTCAAGG AGAACCTGAAGGACACCATGACCAAGCGCTACCACCAGCCGGGCCATGAGGCTGTGACCA GCGCTGTGGACCAGCTGCAGCAGGAGTTCCACTGCTGTGGCAGCAACAACCTCACAGGACT GGCGAGACAGTGAGTGGATCCGCTCACAGGAGGCCGGTGGCCGTGTGGTCCCAGACAGCT GCTGCAAGACGGTGGTGGCTCTTTGTGGCAGCGAGACCATGCCTNCAACATCTACAGGG TGGAGGGCGGCTGCATCACCAAGTGGNAGACCTTCATNCAGNAGCACCTGAGGGTCATTG NNGCTGTGGGGATCGGCATTGCCTGTGTGCANGTCTTTGNCATGATCTTACGTGCTGCC TGTACAGGAGTCTCAGCTGGAGCCTACTGACCTGCCTTTGGCCTGCTGCTGCTGCCCN CTACTGAGC
Restriction Sites:	NotI-NotI
ACCN:	NM_139030
Insert Size:	1750 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:	<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_139030.2</u> , <u>NP_620599.1</u>
RefSeq Size:	1481 bp
RefSeq ORF:	762 bp
Locus ID:	977
UniProt ID:	<u>P48509</u>
Cytogenetics:	11p15.5
Domains:	transmembrane4

Protein Families: Druggable Genome, Transmembrane

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 (2) lacks an alternate segment in the 5' UTR, compared to variant 1. All variants encode the same protein.