

Product datasheet for MR217239

Cd151 (NM_001111049) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd151 (NM_001111049) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cd151
Synonyms:	PETA-3; SFA-1; Tspan24
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217239 representing NM_001111049 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTGAATTC AATGAGAAGAAGGCAACATGTGGCACAGTCTGCCTCAAGTACCTGCTCTTTACCTACA
ACTGCTGCTTCTGGCTGGCCGGCCTGGCTGTGCATGGCAGTGGGCATCTGGACTGGCCCTCAAGAGTGA
CTACATTAGTCTGCTGGCCTCAAGCACTTACCTAGCCACGGCCTACATCTTAGTGGTGGCTGGTGTGTT
GTCATGGTGACTGGAGTCTGGCTGCTGTGCCACTTTCAAGGAGCGACGGAACCTGTTACGCTTGTACT
TCATCCTGCTCCTCATCATCTTCTCCTGGAGATCATTGCTGGCATCCTGGCCTATGCTATTATCAGCA
GCTGAACACAGAGCTCAAGGAGAATCTGAAGGACACCATGGTCAAGAGATACCACCAGTCAGGCCACGAG
GGTGTGAGCAGCGCTGTGCAAGCTGCAGCAAGAGTTCCACTGTTGTGGCAGCAACAACCTCAAGACT
GGCAAGACAGCGAGTGGATCCGCTCTGGTGAGGCAGACAGCCGCGTGGTTCCTGACAGCTGCTGTAAGAC
TATGGTAGCTGGCTGTGGTAAGCGGGACCATGCCTCCAACATCTATAAAGTGGAGGGTGGCTGTACT
AAGCTGGAGACCTTCATTAGGAGCACCTGCGGGTCATTGGGGCGGTGGGCATTGGCATCGCCTGTGTGC
AGGTCTTCGGCATGATCTTACCTGTGCTTGTACCGAAGCCTCAAGCTGGAACACTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR217239 representing NM_001111049
Red=Cloning site Green=Tags(s)

MGEFNKKATCGTVCLKYLLFTYNCCFWLAGLAVMAVGIWTLALKSDYISLLASSTYLATAYILVVAGVV
 VMVTGVLGCCATFKERRNLLRLYFILLIIFLLEIIAGILAYVYVYQQLNTELKENLKDVTMKRYHQSGHE
 GVSSAVDKLQEFHCCGSNNSQDWQDSEWIRSGEADSRVVPDSCCKTMVAGCGKRDRHASNIYKVEGGCIT
 KLETFIQEHLRVIGAVGIGIACVQVFGMIFTCCLYRSLKLEHY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001111049

ORF Size: 759 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).

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_001111049.1](#), [NP_001104519.1](#)

RefSeq Size: 1791 bp

RefSeq ORF: 762 bp

Locus ID: 12476

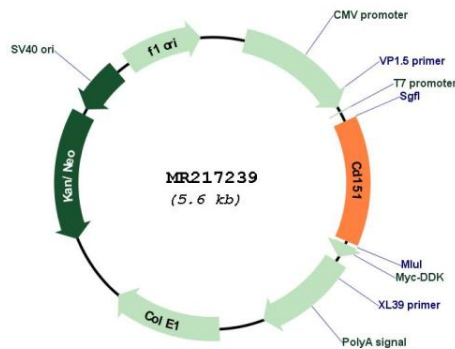
UniProt ID: [O35566](#)

Cytogenetics: 7 86.82 cM

MW: 28.7 kDa

Gene Summary: Essential for the proper assembly of the glomerular and tubular basement membranes in kidney.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217239