

## Product datasheet for RN217414

### Cd101 (NM\_001271217) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cd101 (NM_001271217) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cd101
Synonyms:	Igsf2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217414 representing NM_001271217 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAAGCATCCTGTGTGGCATCTCTTTCTGTCTAACTAAGCTCAGCATCAGCCAGAGGGAAG  
TGAAAATACAAGAAGGACCTCTGTACAGAACCGAAGGTTACCCTGTGAGCATCAGTTGCAACGTAAGTGG  
TCATCGGGTCTTCTACACAGGATTTCCAGTGGTCTATTTACCTGCCAAGTGCCCGACCCAAGAAGTC  
CAGATCATCAGTCCAAGGATGCCGGCTTCTTTACACCATGTATGCCCGGAGGGTGCAGAGCAAGGAGA  
TCTATGTAGAGAGGCTGCGGGCAACTCGGTCTGCTGCGTTTTCGAACTCCAGATGAAGGATACTGG  
CGAGTATGAGTGCCACACACCCAACACGGACGGAAAGTACTTTGGAAGTTACAGTGCAAAGACATATCTA  
ACTGTGATTCCCACACCTGTCTGCCACCATGCCCTCCCAGACACTCGGTAAGAAGGAAGGCGAGCCGT  
TGGAACTCACCTGCGAGGTGACCAAAGCCACGACTCAACATACCCATCTCTCCCTCACCTGGTACCTGAC  
GCAGGAAGGAGGAGGCCACGCCACCGAGATCATTTCTCTCCAAGGATTTTATATTGACCCCTGGG  
CCCTCCTACACAGACAGATTTGTGGCCGGCATGTACGGCTGGACAAGCTTGAGCCACTTTCTTCAAAC  
TGTCATAGGCAAGCTCCAGCTCTCAGATCAAGGCCATGTGTTCTGCGAGGCCACAGAGTGGATTGAGGA  
TCCAGATGAAGCATGGACTTTGATCACAAGAAAGCAGACAGATCAAACAGCTCTGAAGATCCAGCCAACA  
GCAAGAGATTTTGAAGTGAGCATCACGGCCAGCAGCTCCCCTGATGAAGGAAACCCTTGGAACTGGTGT  
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CCAGATTGATGCTCGCGGATCCTGGATCTGAAGAGAGACTACAGAGACAGAGCAAGCCAAGGACAGCTG  
CAGGTTTCAAAGTTAAGTGCCAGACTTTCTCTCAAGATCTTCTCCGTGGGTCCGGAGGACGTAGGCG  
CCTACACTTGGAAGTGGCAGAGGTGGTGGAGACTCAGACAGCCTCCTGGCAGGACTTTCAGAGAAAGCA  
GTCAGTAGGCCACCCAGTGCAGCTGAGGGAGCCGGCAGCAAGAAGTGTGACCGTGTCTGCAGAGCAGCGT  
GCCGTGTGGGAAGGAGAGACAGTACCCTTCTCTGCAAGGCAGCTGGAGATGCAGCTGCTGTCTGTCA  
GTTGGTGGCTCACCCACAGGACCAGACCACCCGTGTTTGTGGCTGGCATGGGCAAGATGGTATTGT  
GCAGCCAGGAGTCTTCTCCCAGCCCTGGGTACCATGGTAACAGGAGGTTGGAGAAAGTGGACTGGCC



ACCTTTCGGCTGGAGATTGCTTCTGCCACGGTCACAGACAGCGGTAATTGAATGCAGAGTGCAGAGA  
 GACCCCAAGACCAGGCCAAAGATTTGCAGTCAACCCAGAAGATTTAGTCAAGTAAAATCTCTGAAATC  
 AAGTTTGCAGGTTAATCTGATGAGCCGGCAGCCACAAGTATGTTAGCCCATACCTTCGACCTGTCTTGT  
 ATAGTGAGGGCCAACTACTCGGATCTCAAGTCCATTCTCCGTGATGTGGCAGTTCAGCCAGCTGGCT  
 CTGGAGCCTTCCATCAGCTTATTCGAGTCAACCATGATGGCCGAGTTGAATGGGGGACACCCTCCCCA  
 GCTCCACAGGAAGACGAAGGTGTACAGTCTTTCTTTTCGTTCTCAACTCCAAATCCACGATGCTGCCATG  
 GAGGAGACAGGGGTGTATCGGTGCGAAGTGGAGTTTATGACAGAAATCCGTGTGCACAAGTGGCCCGG  
 CCAGGGTGTCTGCCACCTCTAACCTATTAATGATTACAGTCACTTTCCAGAGAGCAAAGTGAAGTGA  
 CTCGAGCAGTCAAGTCCAAAGAGCTAACCATCAGCTCCAGCACTCAATAGAATGTGCCATCTTGCCCGA  
 TCTGCTGGAAACCTTCGTTATCCATCATTGGTACTTCTCTCCATTTCTACAAATGCATCCCCTTGA  
 AAATCCTAGAAATGGACCAACCAATGTTGTAATAATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG  
 AAAATTTTATTCGAGAAAGTTTCCAAGACTTATTTCTGCTGAACATTCTGAGCATGGAGGACAGTGAC  
 CAGGGTCTACTACTGTGCTGTAGAGGAATGGCTCTTGTCTACAAATGGCACTTGGCAAAGCTTGAAA  
 GGAAGACTTCAGGACTCACAGAATTGAAACTCAGGCCACAGGAAGTCAAGTCCATGTCTCCAAAGTAA  
 CTGGAAGGAAAATGCTACAGAGTATGGAGAGCCGGCTTCAGCTGCAGCCTGGACGGCCCTGGTAGCACA  
 TCCTCCCTGACTCTGTGACTTGGTACTGGAGCAAAGGAACCGCTGTGGACGGGAGTCAAATGCTGGTGC  
 ACCTGCAGTATGACGGCTTGTGCAAGTATGGCCAAAGAGGGGAGCAGGAAGCTCCTGGACTGCTACCGATC  
 CTCTCCACAGATTTTGTCTGAAGTGCATCGGGTGGAAATGGAGGATGCTGGGATATATTGGTGCAGG  
 GTGGCTGAGTGGCAGCAATATGGCCACCAGGCAAGTGGATCAACCAAGCCTCAGATGAATCACAAACGAA  
 TGGTACTCCGGGTGCTGCGCTCAGAGTCCACGTTCTTCCCGGATCTGCTCCTCTGGACCTTACTCCA  
 CTTCTCGTCTGCTGCCCTTCTCATGTTGCTCCTTCTATTACGTCTGCCTCTGCTTGTACTGGAAG  
 GCCAGGAAGTTGTCAGACCTGAGTCTCAGTTCGAAGAAAGAAAAGGCTCTTTGGTGGCATGAGGAGGA  
 CATCACTTCAGAAGGAAGGAGGAGGAGGGTGAAGGCTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001271217
- Insert Size:** 3054 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:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_001271217.1](#), [NP\\_001258146.1](#)

RefSeq Size: 3122 bp  
RefSeq ORF: 3054 bp  
Locus ID: 310727  
Cytogenetics: 2q34