

## Product datasheet for MC224464

### Cd109 (NM\_153098) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cd109 (NM\_153098) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Cd109  
**Synonyms:** 9930012E15Rik; AI480638; GARP  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC224464 representing NM\_153098  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGC**C

ATGCGCAGTCGGAGGCTCCTGAGCGGGCCACCTTCTCTGCTTGTGCGCGGTCGCGCTGGCCGCCCCAG  
 GGTCCCCTTTCTGGTGACAGCCCCAGGGATCATCAGACCCGGAGCAAATGTGACTATTGGGGTGGATCT  
 CCTGGAATAAGCCCCACAGGTCCTTGTAAAGGCTCAGGTGTTCAAGATAGCTTCCAACAAATCGAGA  
 TCCATCCTGGAAGCAGAAGGAGTCTTTCACAGAGGCCATTTCAAGACTCTCGTTCCTCCGGCACTACCTC  
 TGAGCAGTGCAGATAAGATTTATGAGCTACACATAAACCGACAATCAGAGAATGAGATCGTATTCTCCA  
 CAGGACACGTTTAACTTTGAGAGCAAGAGTATATCTGTCCTCATTGACAGACAAGGCATTCTACAAG  
 CCGAAGCAGGAAGTGAAGTTTCGGGTGCTCACACTCTGCTCAGATCTCAAGCCTTATAGGACATCCGTGG  
 ACATTTTCATTAAGGATCCGAAGTCTAATGTGATCCAACAGTGGTTTTCTCAGAAAGGTGATCTGGAGT  
 CGTTTCCAAAACTTTTCAACTATCCTCTAATCCAATATTTGGTGACTGGTCCATTGAGTTCAAGTGAAT  
 GATCAGCAATATTACCAGTCATTTGAGTCTAAGATATGTGTTACCAAAGTTCGAAGTCAAGTCAAGTGA  
 CCCCCTGTATTGTTCTTGAAGTCTAACAGTAAATGGCTCCGTCATAGCAAAGTATACATACGGGAA  
 GCCAGTGAAGGGAAGTCTGCTACTTACATTTTTACCTTTGCTTTTTGGGAAAGAAAGAAGAAATACACA  
 AAAAGTTTTGAGATAAATGGATTTGCAAACCTCTTTTTGATAATTATGAGATGAAAAAGGTAATGAATT  
 TGAAACCCTAACGGATGTCTCGGAAGGGAGTTATGAGAATGTGGACCCGCTCTTTCTGGGCCGCGAGA  
 GATTATAGCTACTGTGACGGAATCACTCACAGGTATCTCAAGAATGGCAAGCACCATGTGTTTTCAAG  
 CAACATGATTACATCATTGAGATTTTTGATTATACGACTGTCTTGAACCATCTCAACTTCACAGCCA  
 CTGTGAAGGTGAGCCGCTCTGATGGCAATCACTAACTCCTGAAGAAATAGAAAAATGATTTGGTCACAGT  
 AGTGACCCAGCGAAAAATAACCACCCTGAGAGTCAGAGAGATCAGGAAATGGATTATATCCAGACCGTA  
 AATTATACTATCCCCAAAATGGAATCATTAAAGATTGAATCCCAGTCATGTCCATTTCCGGCGAGCTAC  
 AACTGAAGGCTTATTTCTTGATGGTACAAGTTCTGTGACAGTCCACAGTATGTTACCTCTCCTAGTAA  
 GACGTACATCCAGCTTAAACCAGAGATGAATATATAAAGGTGGGGTCACCTTTTGATTTGATGGTTAGT  
 GGCAACAGACAATTCAAGGACTTAAGCTATATGTAATATCAAAGGGACAGTTGGTGGCTGCAGGCAAC



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AAAGTTCAAGAACTTTCTCTTAAACACCAGAGGCTTCTGGGCTCCAAAGGCCTGTATAATCGCATATTA  
TATTGCAGAGGATGGGAAATTATAAATGATATTTAAAAATCCCGTTTCAGCTTGTGTTTGGAAAATAAG  
GTAAGAGCTGTTTTGGAGTAAACCTACAGTCAAGCCATCTGATAAGGTCTCTCAGGATCTCTGCGACAC  
AGTCTGACTCCCTGGTGGGATTGTAGCTGTGACAAAAGTGTAACTTGTGAAAACTCCAACAGTAT  
TACAATGGAAACCATGGTCCATGAACTGGAACCTTATAACACAGAATATTATCTAGGCATGTTTATGAAC  
TCCTTCGCTGTATTTAGGAATGTGGTCTCTGGGTGTTGACAGATGCAACCCCTATAAGAGATAGCATTG  
ATGAAGTCTACGATACTGAAGAGTATTCTGAACGCTTTGACAGGAAAAATGAGGCAACCTGGTTGATTG  
TGAAGATGCTTCTCAGTTAACAATGTACATGTACAGGAAGAATTTCCAGAAACATGGATTGGCTAGAC  
GCCTACATGGGATCTAAGATTTATGAAGAATTTGAAGTACTGTACCTGACTCCATCACTTCTGGTGG  
CTTCGGCTTTTGTCTCAGAAAGCTGGGTTTTGGGTTAAACAACCGTCCAGCAGAGCTGCAAGCCTT  
CCAACCGTTTTCTTTCTGAATCTTCCGACTCTGTATCAGAGGTGAAGAGTTTGGTTTGGAAAGTA  
TCCATCGTCAATTATTTGAAAGATACAATTAAGGTTGTGATACTCATTGAGGAAAGTACAGCTTTGATA  
TTTTAATGACTTCAAATGACACCAATGGCACCATATACCGAAGACTGTTCAAGTCCCAGGATAATGG  
GGTCACTTGTGTTTTCCATCAAGCCACGCACTTGGGAGAGATCCCATCACAGTGACGGCTGCCTCA  
CCCCTGCTCTGATGCTGTACCCAGACAATTGTAGTAAAGCCTGAAGGGATAGAAAAGTCGATTTCGA  
AATCTGTCTTATGGATCTGACAGATAGCAACGTAGAAAAGTAAGCAGCAATCTATGAGATTCTCCTTTCC  
TCTGATACGGTCAATGGCAGTGAAGAGTTCAGATCACAGCAATTGGAGATATCCTTGGTCTCCATC  
AATGGCTTATCTCACTGATCCGGATGCCTTATGGATGTGGTGAACAGAACATGATATATTTGCTCCAA  
ATATTTACATTTTGGATTATCTGACTAAACAGAAAACAGCTGACAGTTAATTTAAAAGAAAAGGCCCTTC  
ATATATGAGGCAAGGTTACCAAAGGGAGCTTCTATCAGAGGGAAGATGGCTCCTTCAGTGCTTTTGGG  
GACATTGACTCTCTGGGAGCACTTGGCTGTGAGCATTGTTTTAAGATGCTTCTGGAAGCTGATTACT  
ATATAGATATTGATCAGGATGTGTTACACAGAACATACTTGGCTTAATGCACATAAGAAATTCATGG  
TGAATTTTGGGAGCCAGGAAGAGTGTTCACAGTGAACCTCAAGGTGGCACCACAAAAGCCAGTAACTT  
ACGGCCTATATTGTGACTTCTGTCTGGGATACAAAAAGTATCAGCCTAATATCGATGTACAAGACTCAA  
TCAAGTTTTTGAATTTGAATTCAGCAGAGGAATTTCCGACAATTATACCTTAGCAATTATATCCTATGC  
CCTGTCCACAGTCGGGAGCCCTAAAGCAGAGGAGGCTTTGAACCTGCTGATGCAGCGATCAGAAAAGGAA  
GGAGACACACAGTCTGGTTGTCTCAGGACCTGCGCTCTCTGGGCTTGGCAGCCGCGCTCCGTGGACA  
TCGAAATCGTGCTTATGCACTGCTGGCGCACACTCTGCACCATGTGTCTGAGGGAATCCCGTTATGAG  
GTGGCTCATCCAGCAAAGAAACAGCCTGGGAGGTTTTGTATCCACTCAGGATACTGTTGTGGCCCTGAAG  
GCATTATCTGAATTTTCCAGCCCTTGTGCACAAGGAAAATACAGATATCCAACCTGACCGTCACAGGCCCCG  
GCATCCCAGATCCATACACTTCCGAATTGACTCCAGAACCTCTTCTCCTTACCAGGAAGAGCTTCA  
TGCCTAGATCCATCACCGTTAATGTTTCTGCGCATGGCTCGGGATTTGCTATTTGCCAGCTTAATGTT  
GACTATAACGTGAAAGGTTCAAGTCTTCTAAAAGACGGAGATCTACCGAAAATCAAGAAGTTTTGATT  
TAGACGTCATTGTGAATAATGAGGACGACATTAGTCACCTGAATCTGAATGTGTGCACAAGTCACTTGGG  
TTCAGAGAGGACAGGCATGGTCTTATGGAAGTGAACCTTCTCAGTGGCTTTAGTGCATCTTCAGATTCA  
ATTCCTCTGAGTGAGACCCTGAAGAAAGTGAATATGATAACGGGAAACTCAACCTTTATTTAGATTCTG  
TAAATGAATCCCAGTTTTGTGTTAATATTTCCACTGTGAGAGACTACAAAGTTTCAAATATTCGAGATGG  
TTCAGTATCTGTAATGGACTACTATGAACCAAGGAGACAGGCAGTGCGAAGCTACAACACCCAGGTGAAG  
CTGTCTCATGTTACCTCAGTCCAGACCAACTGCAAGTCACACACGGACGGAGCCAGGACTCCCTTC  
GAGCTTCTCGAGCCTTCTGCTTTTTGCTCCGCTTCTGTACTTTGTGCAACATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_153098  
**Insert Size:** 4329 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_153098.3</a> , <a href="#">NP_694738.1</a>
<b>RefSeq Size:</b>	5883 bp
<b>RefSeq ORF:</b>	4329 bp
<b>Locus ID:</b>	235505
<b>UniProt ID:</b>	<a href="#">Q8R422</a>
<b>Cytogenetics:</b>	9 E1
<b>Gene Summary:</b>	Modulates negatively TGFB1 signaling in keratinocytes.[UniProtKB/Swiss-Prot Function]