

## Product datasheet for **RN209230**

### **Pex1 (NM\_001109220) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pex1 (NM\_001109220) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Pex1  
**Synonyms:** RGD1559939  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN209230 representing NM\_001109220  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTGGAGCAGTGATCGCTTAGCCGGTGC GG GGTCTGGTGGGGCGGTCTGACGGTGGCCTTCACGAATG  
CTCGGGACTGCTTCTCCATCTGCCACGGCACCTCGTGGCCAGCTTACCTGCTGCAGAATCAAGCTAT  
AGAAGTAACCGGGGATCACCAGCCTACCTACTTGAGCTGGTGGAAAGGCAGGCATTTAATGATCAAAGT  
GAAATGTGGCAGAAATTAATAGACAAGTTGGCCAGAAGCTGGACTCTCGAGCGGGGATCAGGTGTTTC  
TCAGGCCGTGTTCCCATGTGGTCTCATGCCAGCAGGTTGAGGTGGAGCCTCTCTCGGCAGACGACTGGGA  
GATACTGGAGCTGCACGCCATTTCCCTTGAAGAACACCTTCTAGATCAGATTCTGAATAGTTTTCCCTAAA  
GCCATCGTTCCCATCTGGGTTGACCAGCAGACCTACATATTTATCCAAATGTGCGCTCTGATGCCAACTG  
CCCCTTATGGAAGGCTAGAACTAACACCAAACCTTATTTCAGCCAAAGACCCGCAAGCCAAAGAGAG  
CACATTTCCAAAAGAAGGCGATGCACGTGGACAAGCTCATAATTATGGGCGAGAACAGAAAGGAACGGTA  
AAGGAATTGCAACCAAGCAGCTTACATAAGAACACAGAGGCTGTCCCTGTATCTAATGGAAGAAACCCGG  
AAGTCCCAGGTGACTCAGTGAAGCCACGCTGGTGGGCTGTGCTAGGAAGCATGTTTTCTTTGGGCTGA  
CAACAAACAAGAGTCAGCTTGGGGCTCATTGAACTCGGTGCTTTCAAAAACATGCAGTCACAGACTGTC  
CCTCTAGACAGTATTTTCAGAGTGTGCCAAGTTCAGCCTCCTAGTGTGCATAAACCCCTGCTAACTCCG  
TGTTTTCAAAACTGCACCGTCCATGTATTTCCATGGGACCAAGAATATTTTGTGTGGAGCCAGCTT  
TACTGTGGTCTATGGAAACTAGTTAAGCTACATTCTCCAAAACAACAGCAGGACAAAAGTAAGCAGGGC  
GTCCTGTTACCTGAAAAAGAGAAGCAACTGTCCAGTCTCCAGGTATAAGCGGATCGGCTCCGATGGCA  
GTGAGGAAGCTGCTGAGACCTGTGTGCTGAAGGTAGTCTGGAATGGACTGGAGGAGCTGAAGAATGCCAC  
GGAGTTCACAAAAGTCTAGAGCCTCTCCACCATGGGAAAGTCTGGATTCCAGCTGACCTGAGAAAGAGA  
CTCAACATAGAAATGCATGCAGTAGTCAGGATAACTCCACTGGAACCACCCCTGTCATCCCAAGAGCCC  
TGAGATTACAACCTGCAGAGAATACCTAGAGACGTGAGTGAAGAAGAGGTAAGGCTGTGTTCTCATC  
GTGGCTACAGGAGTCTGCCACCACCATGTTTCTTTGATAATATCAAAGCAAGAATGATTAAGCTGGAA  
ATTAAGATGGGTTGAAAGAGTTCTCTCTGAGCATAGTTCATTCTCAGGAAAAAGAGAAGGAACAAGGAA



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GAACTGTTTTGTGTTGAGTCCCATTCTGCTGCAGAAGATCTCAGTACAAGTCCTTCTAGAGCCCATGAT  
 CCGAGAACACAGT GAGGAAATTGACATTCTTCCCTCTTTAACACTGAGCTCTTTGGGCGGTGTGAGT  
 TCCTTAAGTGTATCTGCCATGGAACACATCACTCACAGTCTCCTGGGACGCCCTTTGTCTCGGCAGCTGA  
 TGGCCCTCGTTGCCGGACTGAGGAATGGGGCTCTTTGATCACTGGAGGAAAGGGAAGCGGGAAATCAAC  
 GTTAGCTAAAGCCATCTGTAAGGAAGCACATGACGCTCTGGATGCCACGTGGAGATGGTCGACTGCAAA  
 GCTTTACGAGGAAAAAGGCTTGAAGCATACAAAAAGCCCTAGAGGTGGCTTTCTCAGAGGCAGCCTGGA  
 GGCAGCCATCCGTCATTCTGCTGGATGACCTGGACCTATTGCTGGATTACCGAGCACCCAGAGCATGA  
 GCACAGCCCTGAAGCAGTGCAGAGCCAACGGCTTGCACACGCTTTGAACAATATGATCAAAGAGTTTGTT  
 TCCATGGGAAGCTTGGTCGCGCTCATCGCCACGAGCCAGCTCCAGCACTCTCTCCATCCTTCCCTGTCT  
 CTGCTCAAGGAGTCCACACATTTCAAGTGCATCCAGCACATCCAGCCTCCTGATCAGGAACAGAGATGTGA  
 AATTCTGCATAGTGTGTGAAGAATAAACTGGGCTGTGATATAAGCAAGTCCCCTGACTTGGACCTGAAG  
 TGCATAGCTAAAGAGACGGAGGCGTTTGTGGCTCGAGACTTTACAGTTCTCGTGGACCGAGCCATACACT  
 CCTCTCTCTCGCCAGCAGAACCCACCAGGGAAGGATTGACTTTAACACAGCAGACTTCCAAAAGGC  
 TCTCCGTGGATTTCTTCTGCTTCTCTGCGAAATGTCAACTGCATAAACCTAGAGACCTGGGCTGGGAC  
 AAGATCGGTGGATTACATGAAGTTCGGCAGATACTCATGGATACTATCCAGTTACCAGCCAAGTACCCAG  
 AATTATTTGCAAACCTTACCCATACGACAGAGGACGGGAATACTGCTTTATGGCCCTCCTGGGACAGGAAA  
 AACTTTACTCGCTGGGGTGGTTGCAAGAGAGAGTGGGATGAACTTTATTAGTATTCAGGGACCAGAGTTA  
 CTCAGCAAATACATTGGAGCAAGTGAGCAAGCTGTTTCGAGATGTCTTCATCAGAGCACAGGCTGCAAAGC  
 CCTGTATTCTTTCTTTGATGAGTTTGAATCCATTGCTCCTCGAAGAGGTCATGACAACACAGGGGTTAC  
 AGACCGAGTAGTTAACAGTTGCTGACACAGTTAGATGGAGTAGAAGGCTTACAGGGAGTTTATGTGTTG  
 GCTGCTACTAGTCGCCCTGATTTGATTGACCCCGCCTTGTACGGCCCGCCGACTGGATAAATGTGAT  
 ACTGCCCTCCTCCAGATCAGGTGTCTCGTCTTGTAGATTTAACTGTCTCAGCAAGTCTCTACCTCTGGC  
 GGATGACGTGGACCTTCAGCACGTGGCCTCTGTCACTGAGTCTTCACTGGAGCGGATCTGAAAGCTCTG  
 CTGTACAATGCACAGCTGGAGGCTTGCAGGGACGGCTACTGCCGGCCGGGCTCCACGATGGAGGATCCA  
 GCTCTGACAGTGACCTCAGTCTGTCTTCAATGGTCTTTCTTAACCACAGCAGTGGTTCCGACGACTCAGC  
 TGGAGATGGAGAATGTGGCTTAGATCAATCCCTCGTTTCTCTCGAGATGTCGGAGATCCTTCCAGATGAA  
 TCAAAATTCATATGTACCGGCTGACTTTGGCAGCTCCTATGAATCGGAACTTGGAAACGGAGCCTCTT  
 GTGACTTGAGCTCACACTGTCTGTCTGCACCGAGCTCCATGACTCAGGACTTACCTGCCACTCCTGGGAA  
 AGACCCATTGTTTACACAGCATCTGTGTTTCCAGGACACCTTCCCAAGAAGGCTCCCAAGACCTTACACAG  
 GAGCAGAGAGACCAGCTGAGAGCAGACATCAGCATCATCAAAGGCAGATACCAGAGCCAAAGTGGAGAGG  
 ATGAATCCCTTAACCAGCCTGGACCAATCAAACCAAGTTTGGCTATTAGTCAGGCACATTTAATGACTGC  
 GCTTGCCACACGAGACCGTCCATTAATGAGGATGAAGGCAAGGAATTTGCTGAGCTGTATGAAAACCTT  
 CAAAATCCGAAGAAGAGAAAAAATCAAAGTGGAAACAGTGTTCGAACTGGACAGAAAGTAACGTTAGCAT  
 AA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001109220
- Insert Size:** 3852 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:**

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\\_001109220.1](#), [NP\\_001102690.1](#)

**RefSeq Size:** 4310 bp

**RefSeq ORF:** 3852 bp

**Locus ID:** 500006

**Cytogenetics:** 4q13