

Product datasheet for **RN216972**

Prox2 (NM_001191771) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prox2 (NM_001191771) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Prox2
Synonyms:	RGD1310315
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN216972 representing NM_001191771
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGATCCACCTGCTGTCTTCTCTCTCAGTCTCAGACCTGCACCCACCTGGCAGAAACATGCATGG
 GACAGGAGAGGAGCCACCCACCGCAGAAGTGGGCAGTACTCCTTCTTTCCAGTGGTCAGTTGCCAG
 CTCCAGCCTCACTGATGCCGATTGGTTTTGGGATGAACACATCCAGGCAAAGAGGGCCAGAGTAGAGACC
 ATTGTCCGAGGCATGTGTCTCTCTCCGAGTTCTGTTGGTGTGAGGCAGAGCCAGGGAGAGCTCACGCTGTC
 CAGAAAAGGTCCGGGAGAGGAAGAGAAAGCAGAGTCTTCAATGCACCAAGGTCCCTGAAATCTAGCCC
 TGCCTGGGATCGAGGGCCCAAGAAGGGGGGACCCGGGTGAAAGAACAGCTTCATCTACTGAAGCAACAG
 CTAAGACATTTGCAGGAGCATGTCCTACAGGCCACTGAGCCAGAGCACCAGCACAGAGCCAGGAGGTA
 CTGAGTCAAGAAGCTCTCTGGGAGCCAAGGCGAGGAACACCTTCCCATATAGCGCCTGGGCCGTGGAGAG
 CAAACCTCACCAGAGTTCTAGCAAGGACATTGGTGGAGCAGTCAAGCCCGAGCCGCTGAAGTTCTACAG
 CAGTCAGAGGAGCCTGTGTTCTGTCCTTCCGGCCACGGGCTCTAGTGGAGACTCTGAGGAAAGAACTCA
 GCAGGGCTGTATCCCAGGCTGTGGACTCAGTATTACAACAGGTGCTACTTGACCCACAGAGCCTGTCCC
 GCGGCAGGACGGGAGCTGCCAGGGGCTGGCATCAGAGGGCAGAAGCCAGCCTTACCTCCAGGGAGAAGT
 GCCTATAAGGACCCACTTGCTCTTGCCACCCTGCCAGGAAGGTCCAGCCACAAGCCGGGTTCCCTTGG
 GCAATTCAACACTGGCTAGGCCTCTAGATTCTCCTATATGTCTGTCTCTCCAAGAGGAGTTCCAGATC
 ATATCAGAGTCCCTATCAAATTGTCCTTGACAACGTACCTTCCCACATCTGGGAAAACCAGATTCTT
 AGCCAGCTTCTGGGTCGTGGGCTGATGGCCATTGGAGTGGCAGTCTTCCAGGATGCATCTACCAAA
 GTCATACCTCCCAGAGTCTGCCAGCAACCCTGGGGTTGAGCCAGCAGCGCTCCCCCTGTCTTTCAC
 CCTGTGCACCTGGAAGCCGTCCTCTCCTGCCGGCGGGGTGAAGATGGAGCAGAGCGCGCTGCAGGGC
 GTGGCCGACTCACTTCCTTTCTCTCCGTCCACATCCAGGAAGGCCTGAGCCCTGGTCACCTGAAGAAGG
 CCAAGCTAATGTTTTCTTCACGCGGTATCCAGCTCCAGCCTCCTGAAAGCTTACTTCCCTGATGTTCA
 GTTCAATCGATGCATCACCTCCCAGATGATCAAGTGGTTAGCAATTTCCGTGAGTTTTACTACATCCAG
 ATGGAGAAGTATGCCCGCAAGCGGTTTCAGACGGTGTACGAATGCCAAGCGCTAGCAGTCTCCGAG
 ACTCAGAGCTTTTTCGAGTTCTCAATACACACTATAACAAAGGAATGACTTTGAGGTCCAGAATGCTT
 CTTGCAAATTGCCACCTTGACATTACAGGAGTTCTTCAGGGCTGTCTCCAGGGAAAGATTAGATCCT
 TCCTGGAAGAAACCCATTTACAAAATTATTTCAAACCTGGACAGTGACATCCCGAGATACTCAAATCTT
 CCAGCTATTTCCAAGGACTGTTTCCAAGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001191771

Insert Size: 1782 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_001191771.1, NP_001178700.1

RefSeq Size: 1782 bp

RefSeq ORF: 1782 bp

Locus ID: 314319

Cytogenetics: 6q31