

Product datasheet for **RN201021**

Pyroxd2 (NM_001004261) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pyroxd2 (NM_001004261) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pyroxd2
Synonyms:	RGD1303232
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN201021 representing NM_001004261
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCTGCCAGCGGCCGAGGTCTCAGCAGGGCCTTGCACTCCACTCCCTGTCCTGCTTGGAAACGAGTTC
 AGTCGGGAGCCAACGGGTGCCTGAAGCCCGAGTACGATGCGGTGGTGATAGGAGCAGGACACAATGGGCT
 GGTGGCAGCAGCTACCTCCAGAGACTAGGGGTGAACACCGCGGTCTTCGAGAGCGCCACGTGATTGGG
 GGTGCAGCTGTCACTGAGGAGATCATTCTGGATTCAAGTTCTCCCGAGCGTCTATCTCCTCAGCTTAC
 TGAGGCCCCAGATTTACACAGACCTGGAGCTGAAGAAACATGGGCTGAACTTCATCTGAGAAATCCCTA
 CTCCTTACCCCCATGCTGGAGGAGGCGACGCTGAGCAAGCCGCCAGGTCCCTCCTGCTGGGCACAGAC
 GTGGCTGAAAACAGAGCAATCTCTCAGTTCTCCCGAAGGATGCTCAGGCCTTTCCAGATACGAGG
 AGTTCATGAAGCGCTTGGTGCTAGCCATTGACCCCTTCTGGACGCAGCTCCAGTGGACATAGCAGCCCT
 CCAGCATGGCTCCCTGCTGCAGAGGCTCAGGGCACTGTCCACCCTGAGGCCCTGCTGAAAGCAGGGCGC
 ACCCTGGGAGCCAGCTCCCCAGTACTACGAGGTCTCACAGCCCCATTTCCAAGGTGCTGGACCAAT
 GGTTTGAGTCTGAGCCTCTGAAGGCAACTCTGGCAACAGACGCTGTGATTGGAGCAATGACGAGTCTCA
 CACTCCGGGGAGTGGGTATGTGCTGCTACATCATGTGATGGGCAGCCTGGAGGGGATGCAGGGTGCCTGG
 AGCTATGTCCAGGGTGGCATGGGTGCCCTCTCAGATGCCATTGCAAGCTCGGCTACTGCACATGGAGCAA
 GTATCTTCACAGAGAAGACTGTGGCTAAGGTGCAAGTGAACAGCGAAGGCCGTGTCCAAGGGGTGCTGCT
 GCAGGGCGGCGAGGAGGTGAGGAGCAGAGTCGTCTTGTCTGTGCGTCGCCACAGGTCACCTTCTTAGAG
 CTGACACCACAGGAGTGGCTTCTGGGGCCTTTGTGAAGAGAATCTCCAGCTGGACACCCAGTCTCCCG
 TTACCAAGATCAATGTGGCTGTGGACAGGCTGCCAACTTCCAGGCAGCCCCAATGCTCCCGGGGACCA
 GCCACAAGCCCCACCATCAGTGTTCCATCCACTGAACTGTGAAGACACCTGCTCCTCCACAGGCCTTT
 GAAGATGCCAAGGGCGGCTACCTTCCCAAGACCTATGATTGAGCTCTGCATCCCTTCATCGCTGGACC
 CCACCCTGGCTCCAACAGGCTGCCATGTCGTCTCCCTCTTCACTCAGTATACACCCTACACCCTGGCAGG
 AGGCAAGGTCTGGGACGAGCAAAAGAAAAACCTACGCAGACAAAGTGTGTTGACTGCATCGAGGCTAT
 GCCCCCGGCTTCAAGAGATCTGTGCTGGGCAGAGATATCCTACCCACAGGACCTAGAGAGGATCTTCG
 GGCTTCTGGAGGAACATATTTATGGTGCCATGTCCCTGGACCAGCTCTACTTTGCCCGACCACTGCC
 CCAACTCTGACTACAGATGCCCGTGAAGGCTATACCTCTGTGGAGTGGGGCCCATCTGGAGGA
 GCGCTCATGGGAGCGGCTGGACGAATGCAGCCACATAGTCTTTAGGGACCTCAAGAACATG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001004261

Insert Size: 1746 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:	<u>NM_001004261.1, NP_001004261.1</u>
RefSeq Size:	1994 bp
RefSeq ORF:	1746 bp
Locus ID:	309381
UniProt ID:	<u>Q68FT3</u>
Cytogenetics:	1q54
Gene Summary:	Probable oxidoreductase.[UniProtKB/Swiss-Prot Function]