

Product datasheet for **RN211389**

Furin (NM_019331) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Furin (NM_019331) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Furin
Synonyms:	Pace; Pcsk3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211389 representing NM_019331
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCTGAGACCTGGTTGCTATGGGTGGTAGCAGCAGCAGGAGCCTTGGTCCTGCTAGCAGCTGAAG
 CTCGCGGCCAGAAGATCTTCACCAACACGTGGGCTGTGCACATTTCTGGAGGCCAGCTGTGGCTGATAG
 TGTGGCACGGAAGCATGGGTTCCACAACCTGGGCCAGATCTTCGGTGACTATTACCACTTCTGGCACAGA
 GCAGTGACAAAGCGGTCCCTGTCGCTCACCGCCCGGCCACAGCCGGCTACAGAGGGTGCTCAAGTGA
 AGTGGCTGGAGCAGCAGGTAGCCAAGCAAAGGGCCAAGAGGGACGTGTATCAGGAGCCCACAGACCCCAA
 GTTCCCTCAGCAGTGGTACCTGTCTGGGTCACTCAGCGAGACCTGAATGTGAAGGAAGCCTGGGCCAG
 GGCTTACAGGGCGTGGCATTGTGGTCTCCATCCTGGATGACGGCATTGAAAAGAACCATCTGACTTGG
 CAGGCAATTATGACCCGGGAGCCAGCTTTGATGTCAATGACCAGGACCCAGCCACAGCCTCGGTACAC
 GCAGATGAATGACAACAGGCACGGCACTCGGTGTGCCGGGAAGTGGCAGCGGTGGCCAACAATGGTGTC
 TGTGGTGTAGGTGTAGCTTACAATGCCCGGATTGGAGGGGTGCGTATGTTGGATGGCGAGGTGACTGACG
 CCGTAGAGGCACGTTTCGCTGGGCCTGAATCCCAACCACATCCACATCTACAGCGCCAGCTGGGGCCCGGA
 GGACGACGGCAAGACCGTGGATGGGCCAGCCCGGCTCGCCGAGGAGGCCTTCTTTTCGGGGAGTTAGCCAG
 GGCCGCGGAGGGCTGGGCTCCATCTTTGTCTGGGCCTCAGGGAATGGGGGCCGGGAACATGACAGCTGTA
 ACTGTGACGGCTACACCAACAGTATCTACACGCTGTCCATCAGCAGTGCCACACAATTCGGCAACGTGCC
 CTGGTACAGTGAGGCCTGCTCCTCCACTGGCCACCCTACAGCAGTGGAACCAAGATGAGAAGCAG
 ATTTGTGACAACACTGACTTGAGGCAGAAGTGCACTGAGTCTCACACAGGCACCTCAGCCTCCGCCCTTTGG
 CAGCTGGTATCATTGCTCACCCTGGAGGCCAACAAGAACCTCACCTGGCGGGACATGCAGCAGCTGGT
 GGTGCAGACCTCAAAGCCAGCACATCTCAACGCTAACGATTGGGCCACCAATGGCGTGGCCGGAAAGTG
 AGCCATTCCTATGGCTACGGGCTGTTGGATGCAGGTGCCATGGTGGCCCTGGCCAGAAGTGGACAACAG
 TGGCCCCCAGCGGAAGTGCATCATTGAAATCCTGGCAGAGCCCAAGGACATTGGCAAACGGCTAGAGGT
 GCGCAAGACCGTGACAGCGTGCCTGGGTGAGCCCAACCACATCTCCAGACTGGAACACGTTCCAGGCACGG
 CTCACCCTGTCTTACAATCGCCGTGGTACCTGGCTATCCACCTCATCAGCCCCATGGGCACCCGTTCCA
 CCCTATTAGCTGCCAGACCATGACTACTCTGCTGATGGATTTAATGACTGGGCTTTCATGACAACCTCA
 TTCTGGGATGAGGACCCCTCTGGCGAGTGGGTCTAGAGATTGAAAATACCAGCGAGGCCAACAACCTAT
 GGGACGCTGACCAAGTTCCTCTCGTCTATATGGCACAGCCTCTGAGGGTCTCTCTGCACCTCCAGAGA
 GCAGCGGCTGCAAGACCCTCACATCCAGCCAGGCCTGCGTGGTGTGTGAGGAAGTTTCTACTGCACCA
 GAAAAGCTGTGTCCAGCGTTGCCACCAGGCTTACACCCCAAGTCTTGATACACACTACAGCACTGAG
 AATGATGTGGAGATCATCCGTGCCAGCGTCTGCACCCCTGCCACGCCTCATGTGCCACTTGCCAGGGCC
 CAGCTCCCACAGACTGCCTCAGCTGCCCGACCATGCCTCCCTGGACCCTGTGGAGCAAACCTGCTCCCG
 GCAAAGCCAGAGCAGCCGAGAGTCCCGACCTCAGCAGCCACCTCCCGCACTGCGCCAGAGGTGGAAGTG
 GAGCCCCGGTTGCGGGCTGGGCTGGCCTCTCACCTGCCGAGGTCTGGCCGGCCTCAGCTGCCTTATCA
 TCGCTCTCATCTTTGGCATCGTCTTCTCTTCTGCATCGGTGTTGAGGTTTCCAGGTTCCAGTTCCGGGGAGTGAA
 AGTGTACACCATGGACCGTGGCCTCATCTCCTACAAGGGGCTGCCTCCTGAGGCCTGGCAGGAGGATGC
 CCATCTGACTCAGAAGAGGATGAGGGCCGGGCCGAGAGGACCGCCTTTATCAAAGACCAGAGCGCCCTTT
 GA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_019331
Insert Size: 2382 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:	<ol style="list-style-type: none">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_019331.1 , NP_062204.1
RefSeq Size:	4259 bp
RefSeq ORF:	2382 bp
Locus ID:	54281
UniProt ID:	P23377
Cytogenetics:	1q31
Gene Summary:	may be one of several enzymes involved in the proteolytic processing of extracellular superoxide dismutase (EC-SOD) [RGD, Feb 2006]