

## Product datasheet for **SC111077**

### Pirin (PIR) (NM\_003662) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pirin (PIR) (NM_003662) Human Untagged Clone
Tag:	Tag Free
Symbol:	Pirin
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111077 sequence for NM_003662 edited (data generated by NextGen Sequencing)

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ATGGGGTCTCCAAGAAAGTTACTCTCTCAGTGCTCAGCCGGGAGCAGTCGGAAGGGGTT
GGAGCGAGGGTCCGGAGAAGCATTGGCAGACCCGAGTTAAAAATCTGGATCCGTTTTTA
CTGTTTGAATTTAAAGGAGGTAGACCAGGAGGATTCCTGATCATCCACATCGAGGT
TTTGAAACAGTATCCTACCTCCTGGAAGGGGGCAGCATGGCCCATGAAGACTTCTGTGA
CACACTGGTAAAAATGAACCCAGGAGATTGCACTGGATGACTGCGGGCCGGGGCATTCTG
CACGCTGAGATGCCTTGCTCAGAGGAGCCAGCCATGGCCTACAACCTGTGGGTTAATTTG
AGGAGCTCAGAGAAGATGGTGGAGCCTCAGTACCAGGAAGTAAAAAGTGAAGAAATCCCT
AAACCCAGTAAGGATGGTGTGACAGTTGCTGTCATTTCTGGAGAAGCCCTGGGAATAAG
TCCAAGGTTTACACTCGCACACCAACCTTATATTTGGACTTCAAATTTGGACCCAGGAGCC
AAACATTTCCCAACCTATCCCTAAAGGGTGGACAAGCTTCATTTACACGATATCTGGAGAT
GTGTATATTGGGCCGATGATGCACAACAAAAATAGAACCTCATCACACAGCAGTGCTT
GGAGAAGGTGACAGTGTCCAAGTGGAGAACAAGGATCCCAAGAGAAGCCACTTTGTCTTA
ATTGCTGGGGAGCCATTAAGAGAACCAGTTATCCAACATGGTCCATTTGTGATGAACACC
AATGAAGAGATTTCTCAAGCTATTCTTGATTTTCAGAAACGCAAAAAATGGGTTTGAAAGG
GCCAAAACCTGGAAATCAAAGATTGGGAACTAG
```

Clone variation with respect to NM\_003662.3  
681 g=>a



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_003662 unedited</p> <pre>TCACTATAGGGCCGCCGGAATTCGGCACGAGGCCCGCTAAGGCTCCAGGTGCCGCTA CCGCAGCCCTCCATCCTCTACAGCTCAGCATCAGAACACTCTCTTTTAGACTCCGATA TGGGGTCTCCAAGAAAGTTACTCTCAGTGCTCAGCCGGGAGCAGTCGGAAGGGTTG GAGCGAGGGTCCGGAAGCATTGGCAGACCCGAGTAAAAAATCTGGATCCGTTTTTAC TGTTTTGATGAATTTAAAGGAGGTAGACCAGGAGGATTCCTGATCATCCACATCGAGGTT TTGAAACAGTATCCTACCTCCTGGAAGGGGCGCATGGCCCATGAAGACTTCTGTGGAC ACACTGGTAAAAAGAACCAGGAGATTTGCAGTGGATGACTGCGGGCCGGGGCATTCTGC ACGCTGAGATGCCTTGCTCAGAGAGCCAGCCATGGCCTACAACCTGTGGGTTAATTTGA GGAGCTCAGAGAAGATGGTGGAGCCTCAGTACCAGGAAGTAAAAAGTGAAGAAATCCCTA AACCCAGTAAGGATGGTGTGACAGTTGCTGTCATTTCTGGAGAAGCCCTGNGAATAAAGT CCAAGGTTTACACTCGCACACCAACCTTATATTTGGACTTCAAATTGGACCCAGGAGCCA AACATTCCCAACCTATCCCTAAAGGGTGGNACAGCTTCATTTACACGATATCTGGNAGAT GTGTATATTTGGCCCGATGATGCACAACAAAAATAGAACCTCATCACACAGCAGTGCT TGGNAGAAGGGTGACAGTNGTCCAAGTGGAGAACAAGGGATCCCNAGAGAAGCCACCTTG TTCTTAATGCTGGGGGAGCATTANGAGAACCAGNTATCCANCTTGTNCCATTNNGGATGA ACACCATGNAGAGAATTCTCCAGCTTTTNCCTTGATTTTCAACCCGAAANAATGGGGTTTG AANGGGCCCAACCCCTGAATCAAGATGGGGACTANTGAANCNGNNNAACGGGCTTTG GAGGGCCTCAATATTGCATTNTTGGGATGAGCACTGA</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_003662 unedited</p> <pre>GCCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTAAAAACAATGATTAG GTTTATTTGCATGTGCCAGGAAATCCTACATTTATTGTTACAAAAACCATGTTATCAC GTTAGTGTGGAATCTTTAGAAGCACCGCTAAATAAGCTTTAGAATGGAATGCCTTCA ATGGCTCAATCTCAGAAATGGCAAAATTCTAGGACACATCAAGACCTGCTCTCCGCTTT CCTAGTTCCTCAATCTTTGATTTCCAGGTTTTGGCCCTTTCAAACCCATTTTTTGCCTT TCTGAAATCAAGAATAGCTTGAGAAATCTCTTCAATGGTGTTCATCACAATGGACCATG TTGGATAACTGGTCTCTTAATGGCTCCCAGCAATTAAGACAAAGTGGCTTCTCTTGGG ATCCTTGTCTCCACTTGGACACTGTCACCTTCTCCAAGCACTGCTGTGTGATGAGGTTT TATTTTTTGTGTGCATCATCGGGCCCAATATACACATCTCCAGATATCGTGAAATGAA GCTTGTCCACCCTTAGGGATAGGTTGGGAATGTTTGGCTCCTGGGTCCAATTTGAAGTC CAAATATAAGGTTGGTGTGCGAGTGTAACCTTGGACTTTATTCCAGGGCTTCTCCAGA AATGACAGCAACTGTCACACCATCCTTACTGGGTTTAGGGATTTCTTCACTTTTCAGTTC CTGGTACTGAAGCTCCCACCATCTTCTCTGAGCTCCCTCAATTACCCACAGTTGTANGCC ATGGGCTGGCCTCTGAGCAAGCATCTTACGTGCAAAATGCCCGCCCGCATATTCTCTG CAATCTCTGGGTATTTACCATGGTCCCAGAAGTTTATGGCCTGCTGCCCTTCCAGAG GTAGAACCGTNTAAACCCATGGGAT</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_003662
<b>Insert Size:</b>	1400 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).

**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\\_003662.2](#), [NP\\_003653.1](#)

**RefSeq Size:** 1316 bp

**RefSeq ORF:** 873 bp

**Locus ID:** 8544

**UniProt ID:** [O00625](#)

**Cytogenetics:** Xp22.2

**Domains:** DUF209

**Protein Families:** Transcription Factors

**Gene Summary:** This gene encodes a member of the cupin superfamily. The encoded protein is an Fe(II)-containing nuclear protein expressed in all tissues of the body and concentrated within dot-like subnuclear structures. Interactions with nuclear factor I/CCAAT box transcription factor as well as B cell lymphoma 3-encoded oncoprotein suggest the encoded protein may act as a transcriptional cofactor and be involved in the regulation of DNA transcription and replication. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.