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Product datasheet for SC125323

Progesterone Receptor (PGR) (NM_000926) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Progesterone Receptor (PGR) (NM_000926) Human Untagged Clone
Tag:	Tag Free
Symbol:	Progesterone Receptor
Synonyms:	NR3C3; PR
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

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Fully Sequenced ORF: >NCBI ORF sequence for NM_000926, the custom clone sequence may differ by one or more nucleotides

ATGACTGAGCTGAAGGCAAAGGGTCCCCGGGCTCCCCACGTGGCGGGCGGCCCGCCCTCCCCCGAGGTCG
GATCCCCACTGCTGTGTCGCCCAGCCGCAGGTCCGTTCCCGGGGAGCCAGACCTCGGACACCTTGCCTGA
AGTTTCGGCCATACCTATCTCCCTGGACGGGCTACTCTTCCCTCGGCCCTGCCAGGGACAGGACCCCTCC
GACGAAAAGACGCAGGACCAGCAGTCGCTGTCGGACGTGGAGGGCGCATATTCCAGAGCTGAAGCTACAA
GGGGTGCTGGAGGCAGCAGTTCTAGTCCCCCAGAAAAGGACAGCGGACTGCTGGACAGTGTCTTGGACAC
TCTGTTGGCGCCCTCAGGTCCCGGGCAGAGCCAACCCAGCCCTCCCGCCTGCGAGGTCACCAGCTCTTGG
TGCCTGTTTGGCCCCGAACTTCCCGAAGATCCACCGGCTGCCCCCGCCACCCAGCGGGTGTTGTCCCCGC
TCATGAGCCGGTCCGGGTGCAAGGTTGGAGACAGCTCCGGGACGGCAGCTGCCCATAAAGTGCTGCCCCG
GGGCCTGTCACCAGCCCGGCAGCTGCTGCTCCCGGCCTCTGAGAGCCCTCACTGGTCCGGGGCCCCAGTG
AAGCCGTCTCCGCAGGCCGCTGCGGTGGAGGTTGAGGAGGAGGATGGCTCTGAGTCCGAGGAGTCTGCGG
GTCCGCTTCTGAAGGGCAAACCTCGGGCTCTGGGTGGCGCGGCGGCTGGAGGAGGAGCCGCGGCTGTCCC
GCCGGGGGCGGCAGCAGGAGGCGTCGCCCTGGTCCCCAAGGAAGATTCCCGCTTCTCAGCGCCCAGGGTC
GCCCTGGTGGAGCAGGACGCGCCGATGGCGCCCGGGCGCTCCCCGCTGGCCACCACGGTGATGGATTTCA
TCCACGTGCCTATCCTGCCTCTCAATCACGCCTTATTGGCAGCCCGCACTCGGCAGCTGCTGGAAGACGA
AAGTTACGACGGCGGGGCCGGGGCTGCCAGCGCCTTTGCCCCGCCGCGGAGTTCACCCTGTGCCTCGTCC
ACCCCGGTCGCTGTAGGCGACTTCCCCGACTGCGCGTACCCGCCCGACGCCGAGCCCAAGGACGACGCGT
ACCCTCTCTATAGCGACTTCCAGCCGCCCGCTCTAAAGATAAAGGAGGAGGAGGAAGGCGCGGAGGCCTC
CGCGCGCTCCCCGCGTTCCTACCTTGTGGCCGGTGCCAACCCCGCAGCCTTCCCGGATTTCCCGTTGGGG
CCACCGCCCCCGCTGCCGCCGCGAGCGACCCCATCCAGACCCGGGGAAGCGGCGGTGACGGCCGCACCCG
CCAGTGCCTCAGTCTCGTCTGCGTCCTCCTCGGGGTCGACCCTGGAGTGCATCCTGTACAAAGCGGAGGG
CGCGCCGCCCCAGCAGGGCCCGTTCGCGCCGCCGCCCTGCAAGGCGCCGGGCGCGAGCGGCTGCCTGCTC
CCGCGGGACGGCCTGCCCTCCACCTCCGCCTCTGCCGCCGCCGCCGGGGCGGCCCCCGCGCTCTACCCTG
CACTCGGCCTCAACGGGCTCCCGCAGCTCGGCTACCAGGCCGCCGTGCTCAAGGAGGGCCTGCCGCAGGT
CTACCCGCCCTATCTCAACTACCTGAGGCCGGATTCAGAAGCCAGCCAGAGCCCACAATACAGCTTCGAG
TCATTACCTCAGAAGATTTGTTTAATCTGTGGGGATGAAGCATCAGGCTGTCATTATGGTGTCCTTACCT
GTGGGAGCTGTAAGGTCTTCTTTAAGAGGGCAATGGAAGGGCAGCACAACTACTTATGTGCTGGAAGAAA
TGACTGCATCGTTGATAAAATCCGCAGAAAAAACTGCCCAGCATGTCGCCTTAGAAAGTGCTGTCAGGCT
GGCATGGTCCTTGGAGGTCGAAAATTTAAAAAGTTCAATAAAGTCAGAGTTGTGAGAGCACTGGATGCTG
TTGCTCTCCCACAGCCAGTGGGCGTTCCAAATGAAAGCCAAGCCCTAAGCCAGAGATTCACTTTTTCACC
AGGTCAAGACATACAGTTGATTCCACCACTGATCAACCTGTTAATGAGCATTGAACCAGATGTGATCTAT
GCAGGACATGACAACACAAAACCTGACACCTCCAGTTCTTTGCTGACAAGTCTTAATCAACTAGGCGAGA
GGCAACTTCTTTCAGTAGTCAAGTGGTCTAAATCATTGCCAGGTTTTCGAAACTTACATATTGATGACCA
GATAACTCTCATTCAGTATTCTTGGATGAGCTTAATGGTGTTTGGTCTAGGATGGAGATCCTACAAACAC
GTCAGTGGGCAGATGCTGTATTTTGCACCTGATCTAATACTAAATGAACAGCGGATGAAAGAATCATCAT
TCTATTCATTATGCCTTACCATGTGGCAGATCCCACAGGAGTTTGTCAAGCTTCAAGTTAGCCAAGAAGA
GTTCCTCTGTATGAAAGTATTGTTACTTCTTAATACAATTCCTTTGGAAGGGCTACGAAGTCAAACCCAG
TTTGAGGAGATGAGGTCAAGCTACATTAGAGAGCTCATCAAGGCAATTGGTTTGAGGCAAAAAGGAGTTG
TGTCGAGCTCACAGCGTTTCTATCAACTTACAAAACTTCTTGATAACTTGCATGATCTTGTCAAACAACT
TCATCTGTACTGCTTGAATACATTTATCCAGTCCCGGGCACTGAGTGTTGAATTTCCAGAAATGATGTCT
GAAGTTATTGCTGCACAATTACCCAAGATATTGGCAGGGATGGTGAAACCCCTTCTCTTTCATAAAAAGT
GA

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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_000926 unedited
NGTACCGTCAAAATTGTATACGACTCACTATGGGCGGCCGCGATTCGCCCTTCCCACTTT
CTCCTCCCTCTGCCCCTATATTCCCGAAACCCCCTCCTCCTTCCCTTTTCCCTCCTCCCT
GGAGACGGGGGAGGAGAAAAGGGGAGTCCAGTCGTCATGACTGAACTGAAGGCAAAGGGT
CCCCGGGCTCCCCACGTGGCGGGCGGCCCGCCCTCCCCCGAGGTCGGATCCCCACTGCTG
TGTCGCCCAGCCGCAGGTCCGTTCCCGGGGAGCCAGACCTCGGACACCTTGCCCGAAGTT
TCGGCCATACCTATCTCCCTGGACGGGCTACTCTTCCCTCGGCCCTGCCAGGGACAGGAC
CCCTCCGACGAAAAGACGCAGGACCAGCAGTCGCTGTCGGACGTGGAGGGCGCATATTCC
AGAGCTGAAGCTACAAGGGGTGCTGGAGGCAGCAGTTCTAGTCCCCCAGAAAAGGACAGC
GGACTGCTGGACAGTGTCTTGGACACTCTGTTGGCGCCCTCAGGTCCCGGGCAGAGCCAA
CCCAGCCCTCCCGCCTGCGAGGTCACCAGCTCTTGGTGCCTGTTTGGCCCCGAACTTCCC
GAAGATCCACCGGCTGCCCCCGCCACCCAGCGGNGTGTTGTCCCCGCTCATGAGCCGGTC
CGGGTGCAAGGTTGGAGACAGCTCCGGGACGGCAGCTGCCCATAAAGTGCTGCCCCGGGG
CCTGTCACCAGCCCGGCAGCTGCTGCTCCCCGCCTCTGAGAGCACTCACTGGTCCGGGGC
CCCAGTGAAGCCCGTCTCCGCAGCGCTGCGTGGAGGTGAGAAGNAAGATGGCTCTNATCC
GAGATCTGGTCCTCTAGGCAACTCGCTTGGTGCCGCGCTGAGAGACCCGA
```

Restriction Sites: Please inquire

ACCN: NM_000926

Insert Size: 6000 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_000926.2, NP_000917.2

RefSeq Size: 5003 bp

RefSeq ORF: 2802 bp

Locus ID: 5241

UniProt ID: P06401

Cytogenetics: 11q22.1

Protein Families: Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Protein Pathways: Oocyte meiosis, Progesterone-mediated oocyte maturation

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Gene Summary: This gene encodes a member of the steroid receptor superfamily. The encoded protein mediates the physiological effects of progesterone, which plays a central role in reproductive events associated with the establishment and maintenance of pregnancy. This gene uses two distinct promotors and translation start sites in the first exon to produce several transcript variants, both protein coding and non-protein coding. Two of the isoforms (A and B) are identical except for an additional 165 amino acids found in the N-terminus of isoform B and mediate their own response genes and physiologic effects with little overlap. [provided by RefSeq, Sep 2015]
Transcript Variant: This variant (2) represents the longer transcript and encodes the longer isoform (B).

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