

Product datasheet for **SC327403**

Prolactin (PRL) (NM_001163558) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Prolactin (PRL) (NM_001163558) Human Untagged Clone
Tag: Tag Free
Symbol: Prolactin
Synonyms: GHA1
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_000948 edited
GGGATCCTTATTCTATATCTCTTGGTATTTAGTGTAATAAATTTTAAATCTTTACCTAGC
AATCTTGAGGAAGAACTTGATAACTGATAATACATGAGATTGTTACCTAAGTGAATAT
AATCCTATATATTCAACAACTTTAGAGAAATAAGATAAATTTTAAAGTAAATGACTTCT
GTAGTTTTATAGATCCTCCAAACCAATCTAGTCTCAGATCTCACCTTCATCATTCTCTC
ATTTCTTTTGGCCTAATTAATCAAAATCCTTCCTAGAATGTTTCATTTCTGGCCAGTATG
TCTTCCTGAATATGAATAAGAAATAAAATACCATTGTGTTGAAATTATGGGGTAAT
CTCAATGACGGAAATAGATGACCAGGAAAAGGAAACGAATGCCTGATTCAATATTTCA
TGAAGATATCAAAGGTTTATAAAGCCAATATCTGGGAAAGAGAAAACCGTGAGACTTCCA
GATCTTCTCTGGTGAAGTGTGTTTCTGCAACGATCACGAACATGAACATCAAAGGATCG
CCATGGAAAGGGTCCCTCCTGCTGCTGCTGGTGTCAAACCTGCTCCTGTGCCAGAGCGTG
GCCCCCTTGCCATCTGTCCCGGGGGCTGCCGATGCCAGGTGACCCTTCGAGACCTG
TTTGACCGCGCCGTGCTCCTGTCCCACTACATCCATAACCTCTCCTCAGAAATGTTCAAGC
GAATTCGATAAACGGTATACCCATGGCCGGGGTTCATTACCAAGGCCATCAACAGCTGC
CACACTTCTTCCCTTGCCACCCCGAAGACAAGGAGCAAGCCCAACAGATGAATCAAAAA
GACTTTCTGAGCCTGATAGTCAGCATATTGCGATCCTGGAATGAGCCTCTGTATCATCTG
GTCACGGAAGTACGTGGTATGCAAGAAGCCCGGAGGCTATCCTATCCAAAGCTGTAGAG
ATTGAGGAGCAAACCAACGGCTTCTAGAGGGCATGGAGCTGATAGTCAGCCAGGTTTCAT
CCTGAAACCAAAGAAAATGAGATCTACCCTGTCTGGTCCGGACTTCCATCCCTGCAGATG
GCTGATGAAGAGTCTCGCTTTCTGCTTATTATAACCTGCTCCACTGCCTACGCAGGGAT
TCACATAAAATCGACAATTATCTCAAGCTCCTGAAGTGCCGAATCATCCACAACAACAAC
TGCTAAGCCACATCCATTTCTATCTATTCTGAGAAGGTCCTTAATGATCCGTTCCATTG
CAAGCTCTTTTAGTTGTATCTCTTTGAATCCATGCTTGGGTGAACAGGTCTCCTCTT
AAAAAATAAAACTGACTCCTTAGAGACATCAAAATCCAAAAA
AAAAA

Restriction Sites: Please inquire



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ACCN:	NM_001163558
Insert Size:	1400 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001163558.1 , NP_001157030.1
RefSeq Size:	1027 bp
RefSeq ORF:	684 bp
Locus ID:	5617
UniProt ID:	P01236
Cytogenetics:	6p22.3
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway, Neuroactive ligand-receptor interaction

Gene Summary:

This gene encodes the anterior pituitary hormone prolactin. This secreted hormone is a growth regulator for many tissues, including cells of the immune system. It may also play a role in cell survival by suppressing apoptosis, and it is essential for lactation. Alternative splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Aug 2011]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.