

Product datasheet for **RN205377**

Giot1 (NM_133563) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Giot1 (NM_133563) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Giot1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN205377 representing NM_133563
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGATGCAGTCACCTATGAGGATGTGTATGTGAGTTTTACTCAGGAAGAGTGGGCTTTGCTGAATCCTT
 CCCAGAAGAATCTCTACAAAGATGTGATGATGCAAACCTGCAGGAACCTATTGCTATAGGCTACAAATG
 GAACAGTCAGAATATTGAAGAACATTGTGAGAGTTCTGGAAAACACGAAAGGGATATCATCTGCCACTCA
 GGATACAAGCCATTTGAGCATAAGGACTATGGAAGATGCAGTTTACCTCTCTTTCTCCAACAACAGTTA
 GAGGATATATGAATAGATTTTATGAATATGACATGAATTTACAAGCACTTGGTGTCCAACACAGTGGG
 AATGCATCAACAGACTTACAATGGAGAAAAGTCTTATGAGTACCAGGAATATGGGAATTCATTTGTTTAT
 CCGAGTTCACCTTTGCATATGTAGCGTGAATCACACTGTAAGAAAATGTTATAAATGCACTCAGTGTAGTA
 AAGCTCTGAGTTCTCTTCAAAGACATGAAAAAATCATCTTGAAGAGGAATTGATAAATGTGAGCCATG
 TACTAACCATCACACGTATTTTCAAGCACACAAAAGAACCAATAATGAAGAGGATACCTATGAATATAAT
 CTATGTGATAAAGCCTTTAGATCTGATTCTTCCTTACACCAAAGACCTCATTTGGAAGTAGCACCCCTATA
 AATATTATCAGTATGAAAAAGACTTTGCACATCACAGTTGTCTTCAAGAACATAGAACTCATACTGGAGA
 GAAACCTTATAAATGTAATCAGTGTGGTAAAGCCTTTGCAAGTCGCCATAATCTTAAATGCATGAAAGA
 ATTCATACTGGAGAGAAACCTATACATGTAATCAATGTGGTAAAGCCTTTACACTTTACACAAATCTTC
 GCAAGCATGAAAAAATTCATACTGGAGAGAAACCTATGAATGTAGTCAGTGTGGTAAAGCCTTTGCACG
 TCGAAATGAACCTCAAGTACATGAAAGAATTCTACTGGAGAGAAACCTATGAATGTAGTCAGTGTGGT
 AAAGCCTTTGCAAGTCGGAGTAATCTTCAAACACATGAAAGAATCACAACCTGGAGAGAAACCTTATTTAT
 GTAATCAGTGTGGTAAAGCCTTTGCATGGCGACGCTCTTCTCAAATTCATGAAAGAATTCATACTGGAGA
 GAAACCTTATGCATGTAATCAATGTGGTAAAGCCTTACACATTTTCCAAGTCTTCACAATCATAAAAAA
 ATTCATACTGGAGAGAAACCTATACATGTAATGAATGTGGTAAAGCCTTTGCACATCTCACAAGTTTTT
 ACAATCATAAAAAAATTCATACTGGAGAGAAACCTATGGATGTAAGCAATGTGGTAAAGCCTTTTCATT
 TCGCAGTAATCTTCAAATACATGAAACCGCTCATAAAGGAGAGAAAGCCCATGAATGTAATCAATGTGGT
 AAAGCCTTTGCACATATTGTTTATCTTCAAAGGCATGAAAGAAGTCATGGAGACAAACCATATGAATGTA
 ATCAATGTGGTAAAGCCTTTACACATTTTGACGCTCTTAAAAATCATCTGAAAAGTCATACTGGAGAGAA
 ACCGTATGAGTGAATCAATGTGGTAAAGTCTTTGCATATCGAAATAATCTTCAAAAACATGAAAGAAT
 CCACTGGAGAGAAACCTATGTATGTGATCAGTGTGGTAAAGCCTTTGCAAGTCGCTGAATCTTCAAA
 AACATGAAAAAATTCACACCCAAGAGAAACCTACGTATGTAATCAGTGTGGTAAAGCCTTTGCAAGTCG
 CTGTAATTTTCAAGTACATGAAAGAATTCATACTGGAGAAAAATCCTATTCATATAATCAGTGTGGTAA
 GACTTTGTTAGTCAAAGTAATCTTCAGAAACATGAAGGAAAGCATACTGGAGAAGTAACCTATGGATGTG
 ATTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_133563

Insert Size:

1965 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_133563.1, NP_598247.1</u>
RefSeq Size:	2557 bp
RefSeq ORF:	1965 bp
Locus ID:	171090
Cytogenetics:	7q11
Gene Summary:	gonadotropin induced gene required for the ovarian follicular development and differentiation [RGD, Feb 2006]