

## Product datasheet for RN203412

### Ogt (NM\_017107) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ogt (NM_017107) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ogt
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN203412 representing NM_017107 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGTCTTCCGTGGGCAACGTGGCCGACAGCACAGGGTTAGCTGAGTTGGCACATCGGGAATATCAGG  
CAGGAGACTTTGAGGCAGCTGAGAGACTGCATGCAGCTCTGGAGACAAGAGCCTGACAATACTGGTGT  
TCTTTTATTACTTTCATCTATACATTTCCAGTGTGCAAGGCTGGACAGATCTGCTCACTTTAGCACCTTG  
GCAATTAACAGAATCCCCTTCTAGCAGAAGCCTATTCGAATTTGGGAAATGTATAACAAGGAAAGAGGGC  
AATTACAGGAAGCAATTGAGCATTATCGACATGCTTTGCGGCTCAAGCCTGATTTCACTGATGTTATAT  
TAACCTGGCAGCAGCCTTGGTAGCAGGTGACATGGAGGGAGCAGTGCAAGCATACGTCTCTGCTCTT  
CAGTACAATCCTGATTTGTACTGTGTTCCGAGTGACCTGGGGAACCTGCTCAAAGCCTGGTTCGCTTGG  
AAGAAGCCAAGGCATGTTATTTGAAAGCAATTGAGACGCAACCAAACCTTTGCTGTAGCCTGGAGTAATCT  
CGGCTGTGTTTTCAATGCACAAGGGGAGATTTGGCTGGCAATTCATCACTTTGAAAAGGCTGTCACCCTT  
GACCCAAATTTCTGGATGCTTATATCAATTTAGGAAATGTTTTGAAAGAGGCACGGATTTTGGACAGAG  
CTGTGGCAGCTTATCTTCGTGCCTAAGTTTGGCCAAATCATGCGGTGGTACACGGCAACCTGGCTTG  
TGTGTACTATGAGCAAGGCTTATAGACCTGGCCATTGATACCTACAGGGCAGCTATAGAAGTGCAGCCT  
CATTTCCCTGATGCACTACTGCAACCTAGCAAATGCTCTCAAAGAGAAGGGCAGTGTGCTGAAGCAGAAG  
ATTGTTATAACACAGCTCTTCGTCTGTGCTACCCATGCAGACTCTTTGAATAACCTTGCCAACATCAA  
ACGGGAACAGGGCAATATTGAAGAGGCAGTTCCGCTGTATCGCAAAGCATTAGAGGTCTTCCCAGAGTTT  
GCTGCTGCACATTTCAATTTAGCAAGTGTACTGCAACAGCAGGGCAAGCTGCAGGAAGCACTGATGCACT  
ATAAGGAAGCCATAAGAAATCAGTCCATACATTTGCTGATGCTTATTTCAATATGGGAAACACTTTAAAGGA  
GATGCAGGATGTTACGGGAGCTTTGAGTGTATACTCGTGCCATCCAGATTAATCCTGCCTTCGCAGAT  
GCACACAGCAATCTGGCTTCCATTCACAAGGATTCAGGGAATATCCAGAAGCAATAGCTTCTTACCAGCA  
CAGCTCTGAAACTTAAGCCTGACTTTCTGATGCTTATTGTAAGTGGCTCATTGCCTACAGATTGCTGTG  
TGATTGGACAGACTATGATGAGCGGATGAAGAAATTTGGTTAGTATTGTAGCTGAGCAGCTAGAGAAGAAAT  
AGGCTGCCTTCTGTCCATCCTCATTACAGCATGCTGTACCTCTTTCCCATGGCTTCAGGAAGGCCATTG  
CAGAGAGGCATGGGAATCTCTGCTTGGATAAGATTAATGTCCTTCATAAACCACCATATGAGCATCCAAA



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AGACTTGAAGCTCAGTGATGGCCGATTGCGTGTAGGCTATGTGAGTTCTGACTTTGGGAATCATCCTACT  
TCACACCTTATGCAGTCTATTCCAGGCATGCACAACCCTGATAAGTTTGAGGTATTCTGCTATGCCTTGA  
GCCCGGATGACGGTACAAACTCCGAGTGAAGGTGATGGCGGAAGCCAATCACTTCATTGATCTTTCTCA  
GATTCCGTGCAATGGAAGAGCAGCTGACCGCATCCACCAAGATGGAATTCACATCCTTGCAATATGAAT  
GGGTACACCAAGGGTGCCGAAATGAGCTCTTTGCTCTCAGGCCAGCTCCTATTCAGGCTATGTGGCTGG  
GCTACCCTGGGACTAGTGGCGCACTGTTTCATGGATTACATCATCACTGATCAGGAAACTCCCCAGCTGA  
AGTTGCAGAGCAGTATTCTGAAAAACTGGCTTATATGCCCCATACGTTCTTTATTGGTGATCATGCTAAT  
ATGTTCCACACCTGAAGAAAAAGCAGTCATCGATTTTAAATCTAATGGGCACATTTATGACAATCGAA  
TAGTTTTGAATGGCATCGATCTCAAAGCATTCTCGATAGTCTACCCGATGTGAAGATTGCAAGATGAA  
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ACGATTGCAGAAGCAGTAATTGAAATGATTAACAGAGGGCAGATTCAGATAACAATTAATGGATTAGTA  
TTAGCAATGGACTGGCTACTACACAGATCAATAACAAGGCTGCAACTGGAGAGGAAGTCCCCGTACCAT  
TATTGTAACCACCGTCCCAGTACGGGCTACCAGAAGATGCCATTGTGTACTGTAACCTTAATCAGTTA  
TATAAAATTGACCCTTCTACCCTGCAGATGTGGGCAAATATTCTGAAACGTGTGCCTAATAGCGTGCTTT  
GGCTGTTGCGTTTTCCAGCAGTAGGAGAGCCCAATATTCAACAATATGCACAAAATATGGGCCTTCCCCA  
GAACCGTATCATTTTCTACCTGTGGCTCTAAAGAGGAGCATGTCAGGAGAGGTGAGCTGGCTGATGTC  
TGCTGGATACTCCTTTGTGTAATGGACATACCACAGGGATGGATGTTCTCTGGGCAGGAACACCCATGG  
TGACTATGCCAGGAGAGACTCTTGCTCTCGAGTTGCAGCTTCTCAGCTCACTTGTCTAGGATGCTTTGA  
GCTCATTGCTAAAAGCAGACAGGAATAAGAAGCATAGCCGTGAAACTGGGGACCGATCTAGAATACCTG  
AAGAAAATTCGTGGCAAAGTATGGAAACAGAGAATATCTAGCCCTCTGTTCAACACCAACAATACACAA  
TGGAAATTAGAGCGGCTGTATCTGCAGATGTGGGAGCATTATGCAGCTGGCAACAAACCCGACCACATGAT  
TAAGCCTGTTGAAGTCACTGAGTCAGCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1571\\_a08.zip](https://cdn.origene.com/chromatograms/ja1571_a08.zip)

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_017107

**Insert Size:** 3111 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\\_017107.2](#), [NP\\_058803.2](#)

**RefSeq Size:** 5308 bp

RefSeq ORF: 3111 bp

Locus ID: 26295

UniProt ID: [P56558](#)

Cytogenetics: Xq22

Gene Summary: the catalytic p110 subunit of the enzyme involved in the dynamic O-GlcNAcylation of nuclear and cytosolic proteins [RGD, Feb 2006]