

Product datasheet for **RN212658**

Eogt (NM_001009502) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eogt (NM_001009502) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Eogt
Synonyms:	Aer61
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN212658 representing NM_001009502
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTAATGCTGCTTGTCTTTGGAGTACTGCTTCATGAAGTCCCCTGAGTGCCAGGACGAGGCTCATC
 CTGAGGCTGACAGAGTGCCCGCGAAGCCCTCTATGACTACTCCAGCCTCCGCCTCCAGAGGAGCACAT
 TCCTTCTTCTGCACAGTAACAGGCATGTTGCCTCTGTGTGCAGGGAGGATTCCCACTGTCCGTATAAG
 AACACTTAGAGAGTCTAAATTCCTGCTGGGGTATGAGAAGTCTGCACACCAGAGTCTAGATTTGGCT
 CCCCCATTTGCAGCTATGTGGACTTGGGATGGACCGACACCCTGGAGTCAGCCCAGGACATGTTCTGGAA
 ACAAGCTGACTTCGGATATGCTCGGGAGCGCTGGAGGAGATACGAATGTTCTGCCGCCAGAGAGTGCG
 AGCGACTCAAGTCTGCTTTGCTCTGTTACCTTCAGTATTGTAGAGCTACTGGTCTATACCTGGACTTAA
 GAAACATCAAGAGAAACCATGACAGATTCAAGGAAGATTTCTCAGGGTGGTATATTGGAGGACTG
 TAAACTTGACCGTCATGCACTGGTGTCTGAAGGTCAGCGCAAAGCCCTCTGCAGTCTTGGTTTGTCTGAG
 CTAACAAGCTACACTCAGCTCAATTTACAGCCTATAGAAGATGCTAAATGTGACATCGTTGTTGAAAAAC
 CAACATATTTTATGAAATTAGATGCAGGTATTAACATGTACCACCACTTTTGTGACTTCTGAATCTCTA
 CCTCACTCAGCACATAAACAATTCCTTTCAGTACAGACGTGTACATTGTATGTGGACACCAGCTCTTAT
 GGATACGGTGACCTCTTCTCTGATACCTGGAAAGCATTACTGACTATGACGTCATACATTTGAAAACT
 ACGATTCAAAAAGGTGTGTTTTAAAGAAGCTGTGTTTTCGTTGCTGCCCGCATGCGGTACGGGCTGTT
 CTATAACCGCCTCTGATCTCTGGCTGTCAGAACACTGGGTTATTCAGGGCCTTCTCCAGCACGTGCTG
 CACAGGCTGAACATCTCTCAAGAGGGACCAAGGATGGGAACTCGAGTTACCATTCTTGCACGCAGCA
 CAGAATACCGGAAAACTCTGAACAAAAATGAGCTGGTAAATGCCCTGAAAACAGTATCCACATTTGAAGT
 CCGGGTGGTTGATTACAAGTACAGAGAACCTCGGGTTTTTAGATCAGCTAAGGATCACGCACAACACGGAC
 ATATTTATCGGCATGCACGGAGCTGGTCTTACCCACTTACTTTTCTTCCAGACTGGGCTGCTGTATTTCG
 AGCTGTACAACACTGTGAGGATGAGCGCTGTACTTAGACCTGGCCAGGCTCAGAGGCATCTACTACATCAC
 CTGGCAGAAGCCAGCAAAGTGTTCCTCAAGATAAGGGGCACCATCCAACCTCTGGGGGAGCACCCGAA
 TTTACCACTACTCTTTCGACGTAGAGGAATTCATGTACCTTGTCTGCAGGCTGCAGAACATGTACTGC
 AGCACCCGAGTGGCCGTTGAAGAAGAACCACGATGAAC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001009502

Insert Size: 1584 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:	<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:	<u>NM_001009502.1</u> , <u>NP_001009502.1</u>
RefSeq Size:	2142 bp
RefSeq ORF:	1584 bp
Locus ID:	494219
UniProt ID:	<u>Q5NDL0</u>
Cytogenetics:	4q34
Gene Summary:	Catalyzes the transfer of a single N-acetylglucosamine from UDP-GlcNAc to a serine or threonine residue in extracellular proteins resulting in their modification with a beta-linked N-acetylglucosamine (O-GlcNAc). Specifically glycosylates the Thr residue located between the fifth and sixth conserved cysteines of folded EGF-like domains.[UniProtKB/Swiss-Prot Function]