

## Product datasheet for **MC203500**

### **Eogt (NM\_175313) Mouse Untagged Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                                |
| Product Name:             | Eogt (NM_175313) Mouse Untagged Clone              |
| Tag:                      | Tag Free   |
| Symbol:                   | Eogt   |
| Synonyms:                 | A130022J15Rik; Aer61; AI447490; AW214473; AW259391 |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | PCMV6-Kan/Neo (PCMV6KN)                            |
| E. coli Selection:        | Kanamycin (25 ug/mL)                               |



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**Fully Sequenced ORF:** >BC048939  
 CCGCCGGAGGGGATTCTGAGGACTAAAAAGGTCTGCAGGTTGCTATGTTAATGCTGCTTGTCTTTGGAGT  
 ATTGCTTCATGAAGTCCCAGTGGCCAGGACAAGGCTCATTCTGAGGCTGACGATGCGCCTGGCAAG  
 GCCCTGTATGACTACTCCAGCCTCCGCCTCCCTGCGGAGCACATTCCTTCTTCTGCACAATAACAGGC  
 ATGTTGCCTCTGTGTGCAGGGAGGATCCCAGTGTCCATATAAGAAACACTTAGAAAATCTAAACTACTG  
 CTGGGGTTATGAGAAGTCTGCGCACCAGAGTTTAGATTTCGGTCCCGGTTTGCAGCTATGTCGACTTG  
 GGATGGACCGATACTCTGGAGTCAGCCCAGGACATGTTCTGGAGGCAAGCTGACTTGGATATGTCGAG  
 AGCGACTGGGAGAGATAAGAACGATCTGCCAGCCAGAGAGAGCAAGCGACTCAAGTCTGGTTTGCTCCCG  
 TTACCTTCAGTATTGTAGAGCTACTGGTCTATACTGGACTTAAGAAACATCAAGAGAAACCACGACAGA  
 TTCAAGGAAGATTTTCTTCAGGGTGGTAAATGGTGGATACTGTAAACTTGACAGTCACGCACTGGTGT  
 CTGAAGGGCAGCGTAAAAGTCCCCTGCAGTCTTGGTTTGTGAGCTACAAGGCTATACGCAGCTCAATTT  
 CAGGCCTATAGAAGATGCTAAATGTGACATCGTTGTTGAAAAACCAACGTATTTTCATGAAATTAGATGCA  
 GGTATTAACATGTACCACCTTCTGTGACTTCTGAATCTCTACCTCACTCAGCACGTTAACAATCTT  
 TCAGCACGGACGTGTACATCGTGATGTGGGACACCAGCACTTACGGGTATGGTGACCTCTTCTCCGATAC  
 CTGAAAAGCATTTACTGACTATGACGTCATACATTTGAAAACCTATGATTCAAAAAGGTGTGTTTTAAA  
 GAAGCCGTGTTTTCGTTGCTGCCCGCATGCGGTACGGGCTGTTCTATAACACGCCTCTGATCTCTGGCT  
 GTCAGAATACAGGATTATTCAGAGCCTTCTCCCAGCATGTGCTGCATAGGCTGAACATCACTCAAGAGGG  
 ACCCAAGGATGGCAAAGTTCAGATTACCATTCTTGACGACGACAGAAATACCGGAAAATCCTGAACCAA  
 GACGAGCTGGTAAATGCACTGAAAACAGTATCCACATTTGAAGTCCGGGTGGTTGATTACAAGTACAGAG  
 AACTCGGGTTTTTAGATCAGCTCAGGATCAGCACAACACGGACATATTTATTGGCATGCATGGAGCTGG  
 CCTTACCCACTTACTTTTCTCCGGACTGGGCTGCTGTGTTTCGAGCTGTACAACTGTGAAGATGAGCGC  
 TGCTACTTAGACCTGGCCAGGCTCAGAGGCATTCACATCACCTGGCGGAAGCCAGCAAAGTGTTC  
 CTCAGGATAAGGGTCACCATCCAACCTCTGGGAGAACACCCGAAGTTTACCAACTACTCTTTTGTAGTAGA  
 AGAATTCATGTACCTTGTCTTCAGGCTGCAGAGCATGTACTGCAGCACCCACAGTGGCCATTTAAGAAG  
 AAACATGATGAGCTATAGAAGTGTGAGGTTGTTTCCAAGAGTGTGACACCCTCTCACAGCCATAGACT  
 CACAATCAGAGGAGCAGAACAGCCTGTATATCTACTGTAAGAGGAAACATGACGTTTTACTTCTGAAT  
 ATAGCTCAGGCTGACCTTGAAGTGTGATCCTCTTGCCTGAGCCAACTGAGTGCTCACCTTACAGGTGTG  
 CCCCACCATGCCTGTCTACAGAGTACTTTTTGTATATGAAAGCACACCTCCAGGAGATGCTAAGTCTTC  
 CATGTGTTTTATTGTGCTTTGCTATTTATCAAAGGATTTTTGCACTGAAAAAAGTACTTTTATAGTTC  
 AAAGTGGGCAGATGCCATTGGTGTGGCAGCGCTCCTGTGGGGATGCAAAGTGTCAACATCGGTGG  
 CTTCAGACTTGATATATGTGTTTGTAACTGTAATGTGATCTTGATTCCAGAGTGTGATGGCTTCATCTA  
 TTTGGATAAACTCATCTATTTGGATAAACTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM\_175313
- 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:**

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:** [BC048939](#), [AAH48939](#)

**RefSeq Size:** 2192 bp

**RefSeq ORF:** 1584 bp

**Locus ID:** 101351

**UniProt ID:** [Q8BYW9](#)

**Cytogenetics:** 6 D3

**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]