

## Recombinant Mouse Eogt Protein, His-tagged

**Cat. No.** Eogt-7138M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Product Overview</b> | Recombinant Mouse Eogt Protein with a His tag.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 20-527                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | 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.                                                                                                                                                                                                                  |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Molecular Mass</b>   | 60.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | DKAHSEADDAPGKALYDYSSLRLPAEHIPFFLHNNRHVASVCREDSHCPYKKHLENL<br>NYCWGYEKSCAPEFRFGSPVCSYVDLGTDTLESAQDMFWRQADFGYARERLGE<br>IRTICQPERASDSSLVCSRYLQYCRATGLYDLRNIKRNHDRFKEDFLQGGEIGGYC<br>KLDHALVSEGQRKSPLQSWFAELQGYTQLNFRPIEDAKCDIVVEKPTYFMKLDAGI<br>NMYHHFCDFLNLYLTQHVNNSFSTDVYIVMWDSTYGYGDLFSDTWKAFTDYDVIH<br>LKTYDSKKVCFKEAVFSLLPRMRYGLFYNTPLISGCQNTGLFRAFSQHVLHRLNITQE<br>GPKDGKVRVTILARSTEYRKILNQDELVNALKTVSTFEVRVVDYKYRELGLDQLRIT<br>HNTDIFIGMHGAGLTHLLFLPDWAAVFELYNCEDERCYLDLARLRGIHYITWRKPSKV<br>FPQDKGHHPTLGEHPKFTNYSFDVEEFMYLVLQAAEHVLQHPQWPFKKKHDELLEH<br>HHHHH |

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|                       |                                                                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Endotoxin</b>      | < 1.0 EU/μg of protein (determined by LAL method)                                                                                         |
| <b>Purity</b>         | > 85 % by SDS-PAGE                                                                                                                        |
| <b>Stability</b>      | Shelf life: one year from despatch.                                                                                                       |
| <b>Storage</b>        | Store undiluted at 2-8 centigrade for one week or (in aliquots) at -20 to -80 centigrade for longer. Avoid repeated freezing and thawing. |
| <b>Concentration</b>  | 0.5 mg/mL (determined by absorbance at 280nm)                                                                                             |
| <b>Storage Buffer</b> | Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.                                                                              |

## GENE INFORMATION

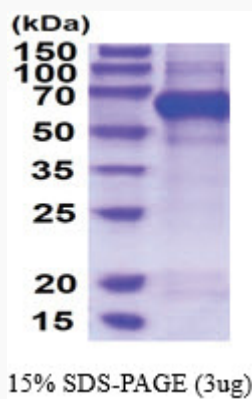
|                        |                                                                                                                                  |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Eogt EGF domain-specific O-linked N-acetylglucosamine (GlcNAc) transferase [ Mus musculus (house mouse) ]                        |
| <b>Official Symbol</b> | Eogt                                                                                                                             |
| <b>Synonyms</b>        | Eogt; EGF domain-specific O-linked N-acetylglucosamine (GlcNAc) transferase; Aer61; AI447490; AW214473; AW259391; A130022J15Rik; |
| <b>Gene ID</b>         | 101351                                                                                                                           |
| <b>mRNA Refseq</b>     | NM_175313                                                                                                                        |
| <b>Protein Refseq</b>  | NP_780522                                                                                                                        |
| <b>UniProt ID</b>      | Q8BYW9                                                                                                                           |

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## SDS-PAGE



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