# Product Data Sheet

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| Product Name: | EOGT Mouse |
| Cat. No.: | GP21611 |
| Batch No.: | 1 |

## Product Data

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| Purity | >98% | Source | Sf9,Baculovirus cells. |
| Phycical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | EGF domain-specific O-linked N-acetylglucosaminetransferase; Extracellular O-linked N-acetylglucosamine transferase. | | |
| Amino Acid Sequence | DKAHSEADDA PGKALYDYSS LRLPAEHIPF FLHNNRHVAS VCREDSHCPYKKHLENLNYC WGYEKSCAPE FRFGSPVCSY VDLGWTDTLE SAQDMFWRQA DFGYARERLG EIRTICQPERASDSSLVCSR YLQYCRATGL YLDLRNIKRN HDRFKEDFLQ GGEIGGYCKL DSHALVSEGQ RKSPLQSWFAELQGYTQLNF RPIEDAKCDI VVEKPTYFMK LDAGINMYHH FCDFLNLYLT QHVNNSFSTD VYIVMWDTSTYGYGDLFSDT WKAFTDYDVI HLKTYDSKKV CFKEAVFSLL PRMRYGLFYN TPLISGCQNT GLFRAFSQHVLHRLNITQEG PKDGKVRVTI LARSTEYRKI LNQDELVNAL KTVSTFEVRV VDYKYRELGF LDQLRITHNTDIFIGMHGAG LTHLLFLPDW AAVFELYNCE DERCYLDLAR LRGIHYITWR KPSKVFPQDK GHHPTLGEHPKFTNYSFDVE EFMYLVLQAA EHVLQHPQWP FKKKHDELLE HHHHHH. | | |
| Formulation | EOGTprotein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10%glycerol. | | |

## Introduction

EGFDomain-Specific O-Linked N-Acetylglucosamine Transferase (EOGT) takes part inthe regulation of Notch receptor. EOGT catalyzesthe transfer of a single N-acetylglucosamine from UDP-GlcNAc to a serine/ threonineresidue in extracellular proteins resulting in their modification with a beta-linkedN-acetylglucosamine (O-GlcNAc). EOGT mainlyglycosylates the Thr residue positioned between the fifth and sixth conservedcysteines of folded EGF-like domains.

## Stability


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Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

### Background

EOGT produced in Sf9 Baculovirus cells is a single,glycosylated polypeptide chain containing 516 amino acids (20-527 a.a.) andhaving a molecular mass of 60.4kDa (Migrates at 50-70kDa on SDS-PAGE underreducing conditions).


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