

## Recombinant Human EOGT Protein, GST-Tagged

Cat. No. EOGT-0045H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human EOGT full-length ORF (NP_775925.1, 1 a.a. - 443 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	This gene encodes an enzyme that acts in the lumen of the endoplasmic reticulum to catalyze the transfer of N-acetylglucosamine to serine or threonine residues of extracellular-targeted proteins. This enzyme modifies proteins containing eukaryotic growth factor (EGF)-like domains, including the Notch receptor, thereby regulating developmental signalling. Mutations in this gene have been observed in individuals with Adams-Oliver syndrome 4. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015]
<b>Molecular Mass</b>	78.7 kDa
<b>AA Sequence</b>	MLMLFVFGVLLHEVSLSGQNEAPPNTHSIPGEPLYNYASIRLPEEHIPFFLHNNRHIAT VCRKDSLCPYKHKHLEKLYCWGYEKSCKPEFRFGYPVCSYVDMGWTDLTLESAEDIF WKQADFGYARERLEEMHVLCQPKETS DSSLVCSRYLQYCRATNLYDLRNIKRNHD RFKEDFFQSGEIGGHCKLDIRTLTSEGQRKSPLQSWFAELQSYTQLNFRPIEDAKCD IVIEKPTYFMKLDAGVNMYHHFCDFINLYITQHVNNSFSTDVYIVMWDTDGKIRVTILA RSTEYRKILNQNELVNALKTVSTFEVQIVDYKYRELGFLLDQLRITHNTDIFIGMHGAGL THLLFLPDWAAVFELYNCEDERCYLDLARLRGVHYITWRRQNKVFPQDKGHHPTLG

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EHPKFTNYSFDVEEFMYLVLQAADHVLQHPKWPFKKKHDEL

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

EOGT EGF domain specific O-linked N-acetylglucosamine transferase [ Homo sapiens (human) ]

**Official Symbol**

EOGT

**Synonyms**

EOGT; EGF domain specific O-linked N-acetylglucosamine transferase; C3ORF64; chromosome 3 open reading frame 64; uncharacterized glycosyltransferase AER61; AER61; AER61 glycosyltransferase; FLJ33770; FLJ13078; FLJ41219; MGC34132; EGF Domain Specific O-Linked N-Acetylglucosamine Transferase; EGF Domain-Specific O-Linked N-Acetylglucosamine (GlcNAc) Transferase; Extracellular O-Linked N-Acetylglucosamine Transferase; EGF Domain-Specific O-Linked N-Acetylglucosamine Transferase; Chromosome 3 Open Reading Frame 64; EGF-O-GlcNAc Transferase; EC 2.4.1.255 4

**Gene ID**

285203

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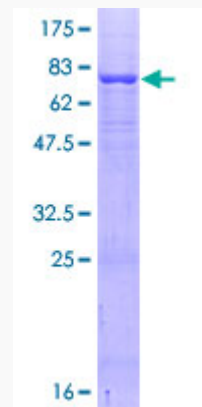
mRNA Refseq [NM\\_173654](#)

Protein Refseq [NP\\_775925](#)

MIM [614789](#)

UniProt ID [Q5NDL2](#)

**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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