Recombinant Human EOGT Protein, GST-Tagged

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

SPECIFICATION

Product Overview	Human EOGT full-length ORF (NP_775925.1, 1 a.a. - 443 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	78.7 kDa
AA Sequence	MLMLFVFGVLLHEVSLSGQNEAPPNTHSIPGEPLYNYASIRLPEEHIPFFLHNNRHIAT VCRKDSLCPYKKHLEKLKYCWGYEKSCKPEFRFGYPVCSYVDMGWTDTLESAEDIF WKQADFGYARERLEEMHVLCQPKETSDSSLVCSRYLQYCRATNLYLDLRNIKRNHD RFKEDFFQSGEIGGHCKLDIRTLTSEGQRKSPLQSWFAELQSYTQLNFRPIEDAKCD IVIEKPTYFMKLDAGVNMYHHFCDFINLYITQHVNNSFSTDVYIVMWDTDGKIRVTILA RSTEYRKILNQNELVNALKTVSTFEVQIVDYKYRELGFLDQLRITHNTDIFIGMHGAGL THLLFLPDWAAVFELYNCEDERCYLDLARLRGVHYITWRRQNKVFPQDKGHHPTLG

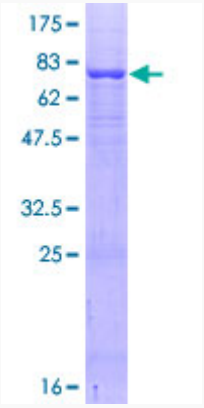
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	EHPKFTNYSFDVEEFMYLVLQAADHVLQHPKWPFKKKHDEL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCI, 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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