

Recombinant Full Length Human EOGT Protein, GST-tagged

Cat. No. EOGT-2614HF **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	In Vitro Cell Free System
ProteinLength	443 amino acids
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 VCRKDSLCPYKKHLEKLYCWGYEKSCKPEFRFGYPVCSYVDMGWTDLTLESAEDIF WKQADFGYARERLEEMHVLCQPKETS DSSLVCSRYLQYCRATNLYDLRNIKRNHD RFKEDFFQSGEIGGHCKLDIRTLTSEGQRKSPLQSWFAELQSYTQLNFRPIEDAKCD IVIEKPTYFMKLDAGVNMYHHFCDFINLYITQHVNNSFSTDVYIVMWDTDGKIRVTILA RSTEYRKILNQNELVNALKTVSTFEVQIVDYKYRELGLDQLRITHNTDIFIGMHGAGL

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THLLFLPDWAAVFELYNCEDERCYLDLARLRGVHYITWRRQNKVFPQDKGHHPTLG
EHPKFTNYSFDVEEFMYLVLQAADHVLQHPKWPFKHHDEL

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

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