

# Recombinant Human EOGT Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** EOGT-3069H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | C3orf64 MS Standard C13 and N15-labeled recombinant protein (NP_775925) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <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. |
| <b>Molecular Mass</b>   | 52.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MLMLFVFGVLLHEVSLSGQNEAPPNTHSIPGEPLYNYASIRLPEEHIPFFLHNNRHIAT<br>VCRKDSLCPYKKHLEKLKYCWGYEKSCKPEFRFGYPVCSYVDMGWDTLLESAEDIF<br>WKQADFGYARERLEEMHVLCQPKETSDSSLVCSRYLQYCRATNLYDLRNIKRNHD<br>RFKEDFFQSGEIGGHCKLDIRTLTSEGQRKSPLQSWFAELQSYTQLNFRPIEDAKCD<br>IVIEKPTYFMKLDAGVNMYHHFCDFINLYITQHVNNSFSTDVYIVMWDTDGKIRVTILA<br>RSTEYRKILNQNELVNALKTVSTFEVQIVDYKYRELGLDQLRITHNTDIFIGMHGAGL                                                                                                                                              |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

THLLFLPDWAAVFELYNCEDERCYLDLARLRGVHYITWRRQNKVFPQDKGHHPTLG  
EHPKFTNYSFDVEEFMYLVLQAADHVLQHPKWPFKKKHDELTRTRPLEQKLISEEDL  
AANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## 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; AOS4; AER61; EOGT1; C3orf64; EGF domain-specific O-linked N-acetylglucosamine transferase; AER61 glycosyltransferase; EGF domain-specific O-linked N-acetylglucosamine (GlcNAc) transferase; EGF-O-GlcNAc transferase; extracellular O-linked N-acetylglucosamine transferase; EC 2.4.1.255

**Gene ID** 285203

**mRNA Refseq** NM\_173654

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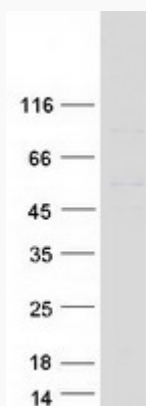
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**Protein Refseq** NP\_775925

**MIM** 614789

**UniProt ID** Q5NDL2

**SDS-PAGE**



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