

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

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

SPECIFICATION

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

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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

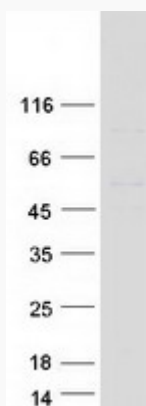
Gene ID 285203

mRNA Refseq NM_173654

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Protein Refseq NP_775925**MIM** 614789**UniProt ID** Q5NDL2**SDS-PAGE** Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA