

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

Cat. No. OGT-6608H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	OGT MS Standard C13 and N15-labeled recombinant protein (NP_858059) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	<p>This gene encodes a glycosyltransferase that catalyzes the addition of a single N-acetylglucosamine in O-glycosidic linkage to serine or threonine residues. Since both phosphorylation and glycosylation compete for similar serine or threonine residues, the two processes may compete for sites, or they may alter the substrate specificity of nearby sites by steric or electrostatic effects. The protein contains multiple tetratricopeptide repeats that are required for optimal recognition of substrates. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.</p>
Molecular Mass	115.5 kDa
AA Sequence	<p>MASSVGNVADSTGLAELAHREYQAGDFEAAERHCMQLWRQEPDNTGVLLLLSSIHF QCRRLDRSAHFSTLAIKQNPLLAEAYSNLGNVYKERGQLQEAIHYRHALRLKPDFID GYINLAAALVAAGDMEGAVQAYVSALQYNPDLYCVRSDLGNLLKALGRLEEAKACYL KAIETQPNFAVAWSNLGCVFNAQGEIWLAIHHFEKAVTLDPNFLDAYINLGNVLKEAR IFDRAVAAYLRALSLSPNHAVVHGNLACVYYEQGLIDLDAIDTYRRAIELQPHFPDAYC</p>

 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

NLANALKEKGSVAEAEDCYNTALRLCPHADSLNLANIKREQGNIEEAVRLYRKAL
 EVFPEFAAAHSNLSVLLQQGKLQEALMHYKEAIRISPTFADAYSNMGNLTKEMQD
 VQGALQCYTRAIQINPAFADAHSNLSIHKDSGNIPEAIASYRTALKLKPDPDAYCNL
 AHCLQIVCDWTDYDERMKKLVSIVADQLEKNRLPSVHPHHSMLYPLSHGFRKAIER
 HGNLCLDKINVLHKPPYEHPKDLKLSDGRLRVGYVSSDFGNHPTSHLMQSIPGMHN
 PDKFEVFCYALSPDDGTNFRVKVMAEANHFIDLSQIPCNGKAADRIHQDGIHILVNMN
 GYTKGARNELFALRPAPIQAMWLGYPGTSGALFMDYIITDQETSPAEEVAEQYSEKLA
 YMPHTFFIGDHANMFPHLKKKAVIDFKSNGHIYDNRIVLNGIDLKAFDLSLPDVKIVKM
 KCPDGGDNADSSNTALNMPVIMPNTIAEAVIEMINRGQIQITINGFSISNGLATTQINN
 KAATGEEVPRTIIVTTRSQYGLPEDAIVYCNFNQLYKIDPSTLQMWANILKRVNSVL
 WLLRFPVAVGEPNIQQYAQNMGLPQNRIIFSPVAPKEEHVRRGQLADVCLDTPLCNG
 HTTGMVDLWAGTPMVTMPGETLASRVAASQLTCLGCLELIAKNRQEYEDIAVKLGT
 DLEYLKKVRGKVKQRISPLFNTKQYTMELERLYLQMWEHYAAGNKPDMIKPVE
 VTESASGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV

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 OGT O-linked N-acetylglucosamine (GlcNAc) transferase [Homo sapiens (human)]

Official Symbol OGT

 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

Synonyms OGT; HRNT1; O-GLCNAC; O-linked N-acetylglucosamine (GlcNAc) transferase; UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit; O-GlcNAc transferase p110 subunit; O-GlcNAc transferase subunit p110; O-linked N-acetylglucosamine transferase 110 kDa subunit; UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase; uridinediphospho-N-acetylglucosamine:polypeptide beta-N-acetylglucosaminyl transferase; O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase); EC 2.4.1.255

Gene ID 8473

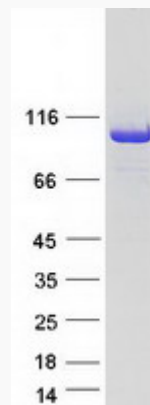
mRNA Refseq NM_181673

Protein Refseq NP_858059

MIM 300255

UniProt ID O15294

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