

Active Recombinant Human OGT protein, His-tagged

Cat. No. OGT-940H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human OGT(Cys323-Glu1041) fused with His tag at C-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	323-1041 a.a.
Predicted N Terminal	Cys323
Form	Supplied as a 0.2 µm filtered solution in Tris, NaCl and TCEP.
Bio-activity	Measured by its ability to transfer GlcNAc from UDP-GlcNAc to peptide OGT substrate. The specific activity is >25 pmol/min/µg.
Molecular Mass	Predicted Molecular Mass: 81 kDa;SDS-PAGE: 70 kDa, reducing conditions
Endotoxin	<1.0 EU per 1 µg of the protein by the LAL method.
Purity	>80%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 µg per lane
Storage	Avoid repeated freeze-thaw cycles.6 months from date of receipt, -20 to -70 centigrade as supplied.3 months, -20 to -70 centigrade under sterile conditions after

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opening.

GENE INFORMATION

Gene Name	OGT O-linked N-acetylglucosamine (GlcNAc) transferase [Homo sapiens (human)]
Official Symbol	OGT
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_181672
Protein Refseq	NP_858058
MIM	300255
UniProt ID	O15294
Chromosome Location	Xq13
Pathway	Other types of O-glycan biosynthesis

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Function

acetylglucosaminyltransferase activity; enzyme activator activity; contributes_to histone acetyltransferase activity (H4-K16 specific)

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