

# Resource Summary Report

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## DictyOGlyc

RRID:SCR\_001600

Type: Tool

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### Proper Citation

DictyOGlyc (RRID:SCR\_001600)

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### Resource Information

**URL:** <https://services.healthtech.dtu.dk/services/DictyOGlyc-1.1/>

**Proper Citation:** DictyOGlyc (RRID:SCR\_001600)

**Description:** Server that produces neural network predictions for GlcNAc O-glycosylation sites in Dictyostelium discoideum proteins.

**Abbreviations:** DictyOGlyc

**Resource Type:** analysis service resource, data analysis service, production service resource, service resource

**Defining Citation:** [PMID:10521537](#)

**Keywords:** glcnac glycosylation site, neural network, o-glycosylation, prediction, proteome, glycoprotein, glcnac, sequence, bio.tools

**Funding:** Deutscher Akademischer Austauschdienst ;  
HspII/AUFE ;  
Macquarie University International Postgraduate Research Award ;  
Australian Research Council ;  
National Health and MRC ;  
Danish National Research Foundation

**Availability:** Free, Freely available

**Resource Name:** DictyOGlyc

**Resource ID:** SCR\_001600

**Alternate IDs:** nlx\_153856, biotools:dictyoglyc

**Alternate URLs:** <https://bio.tools/dictyoglyc>

**Record Creation Time:** 20220129T080208+0000

**Record Last Update:** 20260829T182918+0000

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## Ratings and Alerts

No rating or validation information has been found for DictyOGlyc.

No alerts have been found for DictyOGlyc.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 17 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [NIF](#) .

Li J, et al. (2026) OGT-Mediated O-GlcNAcylation Stabilizes c-Myc Activity and Promotes Chemoresistance in Triple-Negative Breast Cancer. The breast journal, 2026, 2120017.

Wang H, et al. (2026) Astragalus Polysaccharide Suppresses Inflammation and Promotes Apoptosis in Hypertrophic Scars by Suppressing OGT-Mediated Nrf2 O-GlcNAcylation. Iranian journal of pharmaceutical research : IJPR, 25(1), e168614.

Sun S, et al. (2026) O-GlcNAcylation of IGF2BP2 promotes angiogenesis after ischemic stroke by stabilizing PPP2CA in an m6A-dependent manner : O-GlcNAcylation of IGF2BP2 alleviates ischemic brain injury. Journal of translational medicine, 24(1).

Liu Q, et al. (2025) Establishment of an indirect ELISA method for detecting bovine coronavirus antibodies based on N protein. Frontiers in veterinary science, 12, 1530870.

Li Y, et al. (2025) Artesunate inhibits hepatocellular carcinoma cell migration and invasion through OGA-mediated O-GlcNAcylation of ZEB1. Open life sciences, 20(1), 20251109.

Yu F, et al. (2024) O-GlcNAc modification of GSDMD attenuates LPS-induced endothelial cells pyroptosis. Inflammation research : official journal of the European Histamine Research Society ... [et al.], 73(1), 5.

Akinbiyi EO, et al. (2021) Blocked O-GlcNAc cycling alters mitochondrial morphology, function, and mass. Scientific reports, 11(1), 22106.

Goonetilleke SN, et al. (2020) Variation among S-locus haplotypes and among stylar RNases in almond. Scientific reports, 10(1), 583.

Xu H, et al. (2020) Suppression of Transferrin Expression Enhances the Susceptibility of Plutella xylostella to Isaria cicadae. Insects, 11(5).

Pettongkhao S, et al. (2020) A secreted protein of 15???kDa plays an important role in *Phytophthora palmivora* development and pathogenicity. *Scientific reports*, 10(1), 2319.

Zhang J, et al. (2018) Aberrant seed development in *Litchi chinensis* is associated with the impaired expression of cell wall invertase genes. *Horticulture research*, 5, 39.

Jones RW, et al. (2017) A Small Cellulose-Binding-Domain Protein (CBD1) in *Phytophthora* is Highly Variable in the Non-binding Amino Terminus. *Current microbiology*, 74(11), 1287.

Tesson B, et al. (2017) Characterization of a New Protein Family Associated With the Silica Deposition Vesicle Membrane Enables Genetic Manipulation of Diatom Silica. *Scientific reports*, 7(1), 13457.

Li FF, et al. (2014) Molecular cloning and characterization of a novel P450 gene encoding CYP6BK18 from *Dastarcus helophoroides* (Coleoptera: Bothrideridae). *Journal of insect science (Online)*, 14, 243.

Willis JD, et al. (2011) Identification, cloning, and expression of a GHF9 cellulase from *Tribolium castaneum* (Coleoptera: Tenebrionidae). *Journal of insect physiology*, 57(2), 300.

Ying H, et al. (2010) Posttranslational modifications, localization, and protein interactions of optineurin, the product of a glaucoma gene. *PloS one*, 5(2), e9168.

Matsunami K, et al. (2006) Molecular cloning of pigGnT-I and I.2: an application to xenotransplantation. *Biochemical and biophysical research communications*, 343(3), 677.