

Addition of galactose to the Tn antigen via an alpha-1,3 linkage forms a Core 8 gly- coprotein

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Introduction

Reactome is open-source, open access, manually curated and peer-reviewed pathway database. Pathway annotations are authored by expert biologists, in collaboration with Reactome editorial staff and cross-referenced to many bioinformatics databases. A system of evidence tracking ensures that all assertions are backed up by the primary literature. Reactome is used by clinicians, geneticists, genomics researchers, and molecular biologists to interpret the results of high-throughput experimental studies, by bioinformaticians seeking to develop novel algorithms for mining knowledge from genomic studies, and by systems biologists building predictive models of normal and disease variant pathways.

The development of Reactome is supported by grants from the US National Institutes of Health (P41 HG003751), University of Toronto (CFREF Medicine by Design), European Union (EU STRP, EMI-CD), and the European Molecular Biology Laboratory (EBI Industry program).

Literature references

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- Sidiropoulos, K., Viteri, G., Sevilla, C., Jupe, S., Webber, M., Orlic-Milacic, M. et al. (2017). Reactome enhanced pathway visualization. *Bioinformatics*, 33, 3461-3467. [↗](#)
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- Fabregat, A., Korninger, F., Viteri, G., Sidiropoulos, K., Marin-Garcia, P., Ping, P. et al. (2018). Reactome graph database: Efficient access to complex pathway data. *PLoS computational biology*, 14, e1005968. [↗](#)

Reactome database release: 70

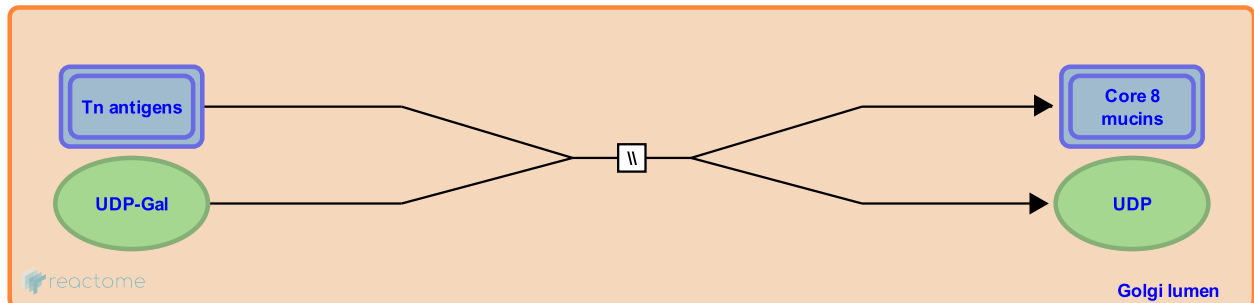
This document contains 1 reaction ([see Table of Contents](#))

Addition of galactose to the Tn antigen via an alpha-1,3 linkage forms a Core 8 glycoprotein ↗

Stable identifier: R-HSA-914006

Type: omitted

Compartments: Golgi lumen



An unknown galactosyltransferase mediates the transfer of galactose is transferred to Tn antigens via an alpha-1,3 linkage to create Core 8 mucins (Brockhausen et al. 2009).

Literature references

Brockhausen, I., Schachter, H., Stanley, P. (2009). O-GalNAc Glycans, Essentials of Glycobiology, 2nd edition.

Editions

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|------------|------------------|------------|
| 2010-07-19 | Authored, Edited | Jassal, B. |
| 2011-11-04 | Reviewed | Ferrer, A. |