Addition of sialic acids on some Spike glycosyl sidechains

Acencio, ML., Stephan, R.
**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.

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**Literature references**


Reactome database release: 77

This document contains 1 reaction (see Table of Contents)
Addition of sialic acids on some Spike glycosyl sidechains

Stable identifier: R-HSA-9697018

Type: uncertain

Compartments: endoplasmic reticulum-Golgi intermediate compartment

Diseases: COVID-19

Glycosyl sidechains at Asn-1158 and Asn-1194 are sialylated, presumably by the cell's sialyltransferases (Watanabe et al, 2020).

Literature references


Editions

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