

PRODUCT INFORMATION

Sialidase, recombinant (lyophilized)

Cat. no. 36409

PRODUCT DESCRIPTION

SERVA Sialidase, a recombinant glycosidase from *Arthrobacter ureafaciens*, cleaves α 2,3-, α 2,6- and α 2,8- linked sialic acids. Because of its broad substrate specificity, Sialidase is capable of completely removing sialic acids from glycoconjugates of a wide variety of biological materials (cells, antibodies, serum, tissues etc.).

- Especially designed and tested for mass spectrometry imaging and HPLC/UPLC
- Contains a His-tag for easy removal by affinity chromatography
- No need for refrigerated transport, storage at room temperature

Concentration after reconstitution with 100 μ l H₂O dist.: 50 units/ μ l

Molecular Weight: approx. 85 kDa

Storage of the lyophilizate: + 15 °C to + 30 °C

Storage after reconstitution: + 2 °C to - 20 °C for 1 month (avoid multiple freeze-thaw cycles).

PROTOCOL

The following protocol is intended as a general guide for protein or free glycan exoglycosidase digestion and may require modification for different glycoprotein or glycan substrates. Like many enzyme reactions, it is highly dependent on reaction conditions and should be determined empirically for each target.

- Add target glycoprotein or free glycan to a vial.
- Add 1000 unit of sialidase per 10 μ g of purified glycoprotein.
- Adjust to final volume with H₂O dist. to the desired level.
- Incubate at 37 °C for 1 hours

Loss of sialic acid can be detected via further analysis by SDS-PAGE Gel and blotting with the SNA lectin or via other glycan sequencing methodologies.