



Last revised February 2020

<b>Product Name</b>	SialEXO® 23
<b>Product Number</b>	G1-SD2-005
<b>Product Composition</b>	500 units of SialEXO 23, exoglycosidase specific for 2,-3-sialic acids, lyophilized in Tris buffer saline (TBS).
<b>Manufacturer</b>	Genovis AB, Sweden.
<b>Appearance</b>	White to light yellow powder.
<b>Source</b>	SialEXO 23 is cloned from <i>Akkermansia muciniphila</i> and expressed in <i>E. coli</i> .
<b>Bioburden*</b>	Absence of microbial contamination.
<b>Enzyme Activity</b>	One unit of SialEXO 23 hydrolyses 2,3- sialic acids from $\geq 90\%$ of 1 $\mu\text{g}$ of glycoprotein (fetuin) when incubated in 20mM Tris pH 7.5 at 37 °C for 1 hour, evaluated by fluorometric assay.
<b>Physical Purity</b>	Purified to $\geq 95\%$ homogeneity as determined by SDS-PAGE analysis using Coomassie Blue detection.
<b>Shipping Conditions</b>	Shipped at ambient temperature.
<b>Storage Temperature</b>	-20°C

\* Tested on Sabouraud Dextrose Agar, Fluid Thioglycollate Medium and Blood Agar.