



Issued July 2020

<b>Product Name</b>	GalactEXO™
<b>Product Number</b>	G1-GM1-020
<b>Product Composition</b>	2000 Units of GalactEXO, exoglycosidase lyophilized in Tris buffer saline (TBS).
<b>Manufacturer</b>	Genovis AB, Sweden.
<b>Appearance</b>	White to light yellow powder.
<b>Source</b>	GalactEXO enzymes are cloned from <i>Akkermansia muciniphila</i> and expressed in <i>E.coli</i> .
<b>Bioburden</b>	Absence of microbial contamination. Tested on Sabouraud Dextrose Agar, Fluid Thioglycollate Medium and Blood Agar.
<b>Enzyme Activity</b>	One unit of GalactEXO hydrolyzes galactoses from $\geq 95\%$ of 0.15 nmol Gal- $\beta$ 1,3-GalNAc-pNP and 2 nmol Gal- $\beta$ 1,4-GlcNAc-pNP when incubated in 20 mM Tris pH 6.8 at 37°C for 30 minutes.
<b>Physical Purity</b>	Purified to $\geq 95\%$ homogeneity as determined by SDS-PAGE analysis using Coomassie Blue detection.
<b>Shipping Conditions</b>	Shipped with gel ice refrigerants.
<b>Storage Temperature</b>	-20°C