



Last revised August 2020

<b>Product Name</b>	GingisKHAN®
<b>Product Number</b>	B0-GKH-020
<b>Product Composition</b>	2000 units of GingisKHAN proteolytic enzyme lyophilized in Tris buffer.
<b>Manufacturer</b>	Genovis AB, Sweden.
<b>Appearance</b>	White to light yellow powder.
<b>Source</b>	GingisKHAN (KGP) enzyme is purified from <i>Porphyromonas gingivalis</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 is defined as the amount of enzyme required to fragment $\geq 95\%$ of 1 $\mu\text{g}$ of human IgG1 in 0.1 M Tris, pH 8.0 in 1 hour at 37°C in presence of 2 mM cysteine, as monitored by SDS-PAGE.
<b>Physical Purity</b>	Purified to $\geq 90\%$ 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
<b>Shelf life</b>	36 months from production date when stored at -20°C.