



Last revised August 2020

<b>Product Name</b>	GingisREX®
<b>Product Number</b>	B0-GRX-005
<b>Product Composition</b>	5 µg of GingisREX, cysteine protease formulated in 20mM Bis-Tris, 150 mM NaCl, 5 mM CaCl <sub>2</sub> , pH 6.8. Supplied as lyophilized powder.
<b>Manufacturer</b>	Genovis AB, Sweden.
<b>Appearance</b>	White to light yellow powder.
<b>Source</b>	GingisREX (RGP) enzyme is purified from <i>Porphyromonas gingivalis</i> .
<b>Physical Purity</b>	Purified to ≥ 95% homogeneity as determined by SDS-PAGE analysis using Coomassie Blue detection.
<b>Shipping Conditions</b>	Shipped at ambient.
<b>Storage Temperature</b>	-20°C
<b>Shelf life</b>	36 months from production date when stored at -20°C.

## Quality Control Assay

GingisREX is tested to ensure lot-to-lot consistency. The activity and specificity of GingisREX is tested on oxidized insulin β-chain at a protease:substrate ratio of 1:20 and 1:200. The digestion reaction is performed at 37°C for 30 min and 18h and analysed with RP-HPLC. Two peaks specific for GingisREX activity are generated.