

## PRODUCT SPECIFICATIONS

<b>Name</b>	Recombinant Pepsinogen I, 100 µg
<b>Description</b>	Recombinant human pepsinogen I protein. Predicted molecular weight: 40 kDa.
<b>Amino acid sequence</b>	MIMYKVPLIRKKSLRRTLSEGRLLKDFLKKHNLNPARKYFPQWEAPTLVDEQPLENYLDMEYFGTIGI GTPAQDFTVVFDTGSSNLWVPSVYCSSLACTNHNRFNPEDSSTYQSTSETVSITYGTGSMTGILGYD TVQVGGISDTNQIFGLSETEPGSFLYYAPFDGILGLAYPSISSSGATPVFDNIWNQGLVSDLFVYLS ADDQSGSVVIFGGIDSSYYTGSNLWVPVTVEGYWQITVDSITMNGEAIACAEGCQAIVDTGTSLLTG PTSPIANIQSDIGASENSDGMVVVSCSAISSLPDIVFTINGVQYPVPPSAYILQSEGSCISGFQGMNLPT ESGELWILGDVFIHQYFTVDFRANNQVGLAPVA
<b>Production host</b>	<i>Escherichia coli (E. coli)</i>
<b>Product code</b>	610000
<b>Product formulation</b>	Lyophilized from 0.2 µm filtered solution
<b>Product buffer</b>	50 mM Tris-HCl, pH 7.5; 150 mM NaCl, 0,5 µg/ml pepstatin A; containing 6 % sucrose as a stabilizer
<b>Reconstitution</b>	Reconstitute lyophilized protein with 200 µl of deionized water
<b>Shelf life and storage</b>	Shelf life unspecified, storage at 2-8 °C
<b>Analyte description</b>	Pepsinogen is the pro-form of pepsin and is produced in the stomach by chief cells. The major part of pepsinogen is secreted into the gastric lumen but a small amount can be found in the blood. Alterations in the serum pepsinogen concentrations has been found with <i>Helicobacter pylori (H. Pylori)</i> infections, peptic ulcer disease, gastritis, and gastric cancer. More precise analysis may be achieved by measuring the pepsinogen I/II ratio.
<b>Product concentration</b>	0.5 mg/ml when reconstituted with 200 µl of deionized water
<b>Purity</b>	SDS-PAGE 
<b>Reactivity with MedixMABs</b>	Anti- h Pepsinogen I 8003 : + Anti- h Pepsinogen I 8015 : +

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