

PRODUCT SPECIFICATIONS

Name	Recombinant Pepsinogen I, 100 µg
Description	Recombinant human pepsinogen I protein. Predicted molecular weight: 40 kDa.
Amino acid sequence	MIMYKVPLIRKKSLRRTLSEERGLLKDFLKKHNLNPARKYFPQWEAPTLVDEQPLENYLDMEYFGTIGI GTPAQDFTVVFDTGSSNLWVPSVYCCSLACTNHNRFNPEDSSTYQSTSETVSITYGTGSMTGILGYD TVQVGGISDTNQIFGLSETEPGSFLYYAPFDGILGLAYPSISSGATPVFDNIWNQGLVSQDLFSVYLS ADDQSGSVVIFGGIDSSYYTGSNLWVPVTVGYWQITVDSITMNGEAIACAEGCQAIVDTGTSLLTG PTSPIANIQSDIGASENSDGMVVVSCSAISSLPDIVFTINGVQYPVPPSAYILQSEGSCISGFQGMNLPT ESGELWILGDVFIHQYFTVDFRANNQVGLAPVA
Production host	<i>Escherichia coli</i> (E. coli)
Product code	610000
Product formulation	Lyophilized from 0.2 µm filtered solution
Product buffer	50 mM Tris-HCl, pH 7.5; 150 mM NaCl, 0,5 µg/ml pepstatin A; containing 6 % sucrose as a stabilizer
Reconstitution	Reconstitute lyophilized protein with 200 µl of deionized water
Shelf life and storage	Shelf life unspecified, storage at 2-8 °C
Analyte description	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</i> (<i>H. Pylori</i>) infections, peptic ulcer disease, gastritis, and gastric cancer. More precise analysis may be achieved by measuring the pepsinogen I/II ratio.
Product concentration	0.5 mg/ml when reconstituted with 200 µl of deionized water
Purity	SDS-PAGE 
Reactivity with MedixMABs	Anti-h Pepsinogen I 8003 : + Anti-h Pepsinogen I 8009 : + Anti-h Pepsinogen I 8015 : + Anti-h Pepsinogen I 8016 : +

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