

PRODUCT SPECIFICATIONS

Name	Recombinant Pepsinogen II, 100 µg
Description	Recombinant human pepsinogen II protein. Predicted molecular weight: 41 kDa.
Amino acid sequence	MAVVKVPLKKFKSIRETMKEKGLLGEFLRTHKYDPAWKYRFGDLSVTYEPMAYMDAAAYFGEISIGTPP QNFLVLFDTGSSNLWVPSVYCQSQACTSHSRFNPSSESSTYSTNGQTFSLQYGSGLTGFFGYDTLTV QSIQVPNQEFGLSENEPGTNFVYAQFDGIMGLAYPALSVD EATTAMQGMVQEGALTSVFSVYLSN QQGSSGGAVVFGGVDSLYTQGIYWAPVTQELYWQIGIEEFLIGGQASGWCSEGCQAIVDTGTSLLT VPQQYMSALLQATGAQEDEYGGFLVNCNSIQNLPSLTFIINGVEFPLPPSSYILSNNGYCTVGVEPTYL SSQNGQPLWILGDVFLRSYYSVYDLGNRRVGFATAA
Production host	<i>Escherichia coli (E. coli)</i>
Product code	610001
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 (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 II 8101: + Anti-h Pepsinogen II 8102: +

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