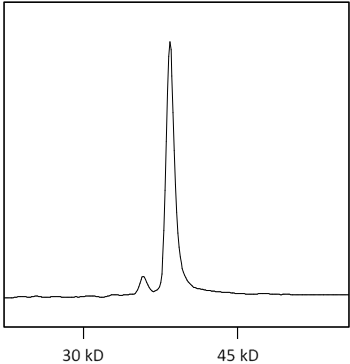


## Product specifications

<b>Name</b>	Recombinant Pepsinogen II, 100 µg
<b>Description</b>	Recombinant human pepsinogen II protein. Predicted molecular weight: 41 kDa.
<b>Amino acid sequence</b>	MAVVKVPLKFKFSIRETMKEKGLLGEFLRTHKYDPAWKYRFGDLSVTYEPMAYMDAAAYFGEISIGTPP QNFLVLFDTGSSNLWVPSVYQCQSQACTSHSRFNPSESSTYSTNGQTFSLQYGSGLTGFFGYDTLTVQS IQVPNQEFGLSENEPGTNFVYAQFDGIMGLAYPALSVDATTAMQGMVQEGALTSPVFSVYLSNQQG SSGGAVVFGGVDSSLYTGQIYWAPVTQELYWQIGIEEFLIGGQASGWCEGCQAIVDTGTSLTVPQQY MSALLQATGAQEDEYQGFLVNCNSIQNLPSTFIINGVEFPLPSSYILSNNGYCTVGVEPTYLSSQNGQ PLWILGDVFLRSYYSVYDLGNNRVGFATAA
<b>Product host</b>	<i>Escherichia coli (E. coli)</i>
<b>Product code</b>	610001
<b>Product formulation</b>	Lyophilized
<b>Product buffer solution</b>	Lyophilized from 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 the lyophilized protein with deionized water
<b>Shelf life and storage</b>	Unspecified for lyophilized product, storage at 2–8 °C. After reconstitution 3 months at 2–8 °C and 12 months at -20 °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>	N/A
<b>Purity</b>	Capillary electrophoresis (CE-SDS)
	
<b>Reactivity with MedixMABs</b>	Anti-h Pepsinogen II 8101: + Anti-h Pepsinogen II 8102: + Anti-h Pepsinogen II 8103: +