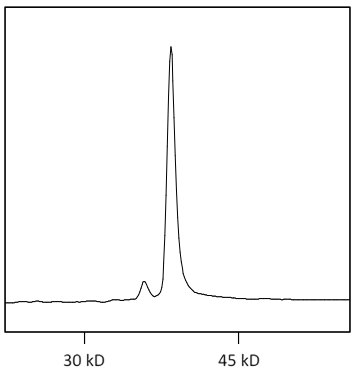
2020-12-28

Product specifications

Name	Recombinant Pepsinogen II, 100 µg
Description	Recombinant human pepsinogen II protein. Predicted molecular weight: 41 kDa.
Amino acid sequence	MAVVKVPLKKFKSIRETMKEKGLLGEFLRTHKYDPAWKYRFGDLSVTYEPMAYMDAAYFGEISIGTPP QNFLVLFDTGSSNLWVPSVYCQSQACTSHSRFNPSESSTYSTNGQTFSLQYGSGSLTGFFGYDTLTVQS IQVPNQEFGLSENEPGTNFVYAQFDGIMGLAYPALSVDEATTAMQGMVQEGALTSPVFSVYLSNQQG SSGGAVVFGGVDSSLYTGQIYWAPVTQELYWQIGIEEFLIGGQASGWCSEGCQAIVDTGTSLLTVPQQY MSALLQATGAQEDEYGQFLVNCNSIQNLPSLTFIINGVEFPLPPSSYILSNNGYCTVGVEPTYLSSQNGQ PLWILGDVFLRSYYSVYDLGNNRVGFATAA
Product host	*Escherichia coli (E. coli)*
Product code	610001
Product formulation	Lyophilized
Product buffer solution	50 mM Tris-HCl, pH 7.5; 150 mM NaCl, 0.5 µg/ml pepstatin A; containing 6 % sucrose as a stabilizer
Reconstitution	Reconstitute the lyophilized protein with 200 µl of deionized water
Shelf life and storage	Unspecified for lyophilized product, storage at 2–8 °C. After reconstitution 3 months at 2–8 °C and 12 months at -20 °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 *Helicobacter pylori (H. pylori)* 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	Capillary electrophoresis (CE-SDS)



Reactivity with MedixMABs	Anti-h Pepsinogen II 8101: + Anti-h Pepsinogen II 8102: + Anti-h Pepsinogen II 8103: +

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