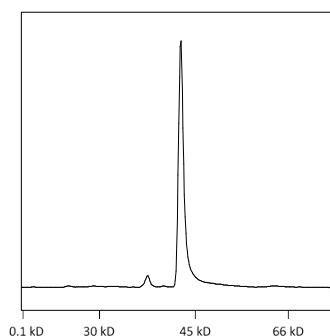


Recombinant Pepsinogen I, 100 µg

Catalog number	610000
Description	Recombinant human pepsinogen I protein. Predicted molecular weight: 40 kDa.
Amino acid sequence	MIMYKVPLIRKKSLRRTLSEGRLLKDFLKKHNLNPARKYFPQWEAPTLVDE QPLENYLDMEYFGTIGTGAQDFTVVFDTGSSNLWVPSVYCSSLACTNH NRFNPEDSSTYQSTSETVSITYGTGSMTGILGYDTVQVGGISDTNQIFGLS ETEPGSFLYYAPFDGILGLAYPSISSSGATPVFDNIWNQGLVSQDLFSVYL SADDQSGSVVIFGGIDSSYYTGSLNWWVPVTVEGYWQITVDSITMNGEIA CAEGCQAIVDTGTSLLTGPTSPIANIQSDIGASENSDGMVVSCTSAISSLP DIVFTINGVQYPVPPSAYILQSEGSCISGFQGMNLPTEGELWILGDVFIRQ YFTVFDNRANNQVGLAPVA
Product host	<i>Escherichia coli</i> (E. coli)
Product formulation	Lyophilized
Product buffer solution	Lyophilized from 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 deionized water
Shelf life and storage	60 months, storage at 2–8 °C. After reconstitution 2 months at 2–8 °C and 2 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 <i>Helicobacter pylori</i> (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	N/A
Purity	Capillary electrophoresis (CE-SDS)



Antibodies tested	Anti-h Pepsinogen I 8003 : + Anti-h Pepsinogen I 8009 : + Anti-h Pepsinogen I 8015 : + Anti-h Pepsinogen I 8016 : +
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