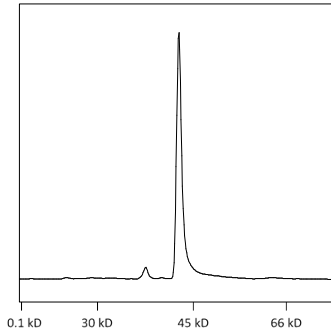


Product specifications

| | |
|----------------------------------|--|
| Name | Recombinant Pepsinogen I, 100 µg |
| Description | Recombinant human pepsinogen I protein. Predicted molecular weight: 40 kDa. |
| Amino acid sequence | MIMYKVPLIRKKSLRRTLSEGRLLKDFLKKHNLNPARKYFPQWEAPTLVDEQPLENYLDMEYFGTIGIGT PAQDFTVVFDTGSSNLWVPSVYCSSLACTNHNRFNPEDSSTYQSTSETVSITYGTGSMTGILGYDVTQV GGISDTNQIFGLSETEPGSFLYYAPFDGILGLAYPSISSSGATPVFDNIWNQGLVSQDLFSVYLSADDQSG SVVIFGGIDSSYYTGSLNWVPVTVEGYWQITVDSITMNGEAIACAEGCQAIVDGTSLLTGPTSPIANIQS DIGASENSDGMVVSCSAISSLPDIVFTINGVQYPVPPSAYILQSEGSCISGFQGMNLPTESEGELWILGDV FIRQYFTVFDRANNQVGLAPVA |
| Product host | <i>Escherichia coli (E. coli)</i> |
| Product code | 610000 |
| 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 | 24 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 (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 | N/A |
| Purity | Capillary electrophoresis (CE-SDS) |
| |  |
| Reactivity with MedixMABs | Anti-h Pepsinogen I 8003 : + Anti-h Pepsinogen I 8009 : + Anti-h Pepsinogen I 8015 : + Anti-h Pepsinogen I 8016 : + |