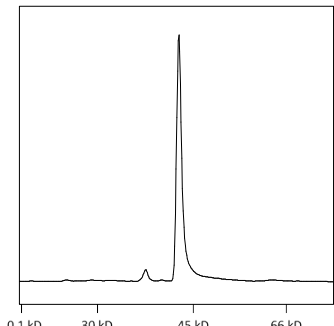


## Product specifications

|                                  |  |
|----------------------------------|--|
| <b>Name</b>                      | Recombinant Pepsinogen I, 100 µg   |
| <b>Description</b>               | Recombinant human pepsinogen I protein. Predicted molecular weight: 40 kDa.  |
| <b>Amino acid sequence</b>       | MIMYKVPLIRKKSRLRRTLSEGLLKDFLKKHNLNPARKYFPQWEAPTLVDEQPLENYLDMEYFGTIGIGT<br>PAQDFTVVFDTGSSNLWVSVYCSSLACTNHNRFNPEDSSTYQSTSETVSITYGTGSMTGILGYDTVQV<br>GGISDTNQIFGLSETEPGSFLYYAPFDGILGLAYPSISSSGATPVFDNIWNQGLVSDLFVSVYLSADDQSG<br>SVVIFGGIDSSYYTGSLNWVPVTVEGYWQITVDSITMNGEAIACAEGCQAIIVDTGTSLLTGPTSPIANIQS<br>DIGASENSDGMVVSCSAISSLPDIVFTINGVQYPVPPSAYILQSEGSCISGFQGMNLPTESELWILGDV<br>FIRQYFTVFDRANNQVGLAPVA   |
| <b>Product host</b>              | <i>Escherichia coli (E. coli)</i>  |
| <b>Product code</b>              | 610000   |
| <b>Product formulation</b>       | Lyophilized  |
| <b>Product buffer solution</b>   | 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 200 µl of deionized water  |
| <b>Shelf life and storage</b>    | Unspecified for lyophilized product, storage at 2–8 °C. After reconstitution 2 months at 2–8 °C and 2 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>     | 0.5 mg/ml when reconstituted with 200 µl of deionized water  |
| <b>Purity</b>                    | Capillary electrophoresis (CE-SDS)<br>  |
| <b>Reactivity with MedixMABs</b> | Anti-h Pepsinogen I 8003 : +<br>Anti-h Pepsinogen I 8009 : +<br>Anti-h Pepsinogen I 8015 : +<br>Anti-h Pepsinogen I 8016 : +   |