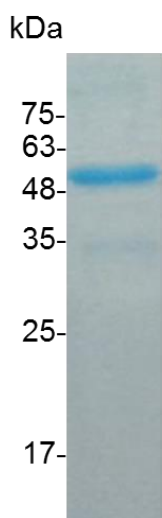


PRODUCT INFORMATION
PGA5 (Pepsinogen A5), Human

Catalog number	C01145-5UG / C01145-20UG / C01145-100UG
Package	5 µg / 20 µg / 100 µg
Description	Pepsins are aspartic proteases that are synthesized in the gastric mucosa and secreted into the stomach. They are released as zymogens called pepsinogens which are then converted to active pepsins by the acidic pH of gastric juices (1-3). PGA3, PGA4, and PGA5 are human Pepsinogen A isozymogens that differ in sequence by 2-4 amino acid (aa) residues (4, 5). Diseases associated with PGA5 include Atrophic Gastritis and Gastritis.
Source	<i>Escherichia coli</i>
Sequence	MKWLLLLLGLVALSECIMYKVPLIRKKSLRRTLSEGRLLKDFLKKHNLNPARKYFP QWEAPTLVDEQPLENYLDMEYFGTIGIGTPAQDFTVVFDTGSSNLWVPSVYCS SLACTNHNRFNPEDSSTYQSTSETVSITYGTGSMTGILGYDTVQVGGISDTNQIF GLSETEPGSFLYYAPFDGILGLAYPSISSSGATPVFDNIWNQGLVSQDLFSVYLS ADDKSGSVVIFGGIDSSYYTGSLNWVPVTVEGYWQITVDSITMNGETIACAEGC QAIVDTGTSLLTGPTSPIANIQSDIGASENSDGDMMVSCSAISSLPDIVFTINGVQY PVPPSAYILQSEGSCISGFQGMNVPTESGELWILGDVFIRQYFTVFDRANNQVG LAPVA with polyhistidine tag at the C-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Purity	>95% as determined by SDS-PAGE. Ni-NTA chromatography
Formulation	The protein was lyophilized from a solution containing 1X PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Note	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant human PGA5

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