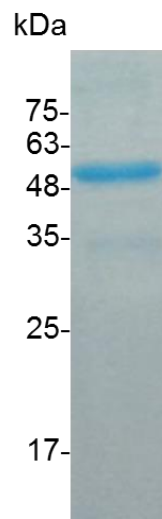


Catalog number	C01145-5UG / C01145-20UG / C01145-100UG
Package	5 µg / 20 µg / 100 µg
Description	<p>Pepsins are aspartic proteases that are synthesized in the gastric mucosa and secreted into the stomach. They are released as zymogens called pepsinogens which are then converted to active pepsins by the 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.</p>
Source	<i>Escherichia coli</i>
Sequence	<p>MKWLLLLLGLValsecIMYKVPLIRKkSLRRTLserGLLKDFLkKHNLNPARKYFP QWEAPTLVDEQPLENYLDMEYFGTIGIGTPAQDFTVVFDTGSSNLWVPSVYCS SLACTNHNRFNPEDSSTYQSTSETVSITYGTGSMTGILGYDTVQVGGISDTNQI FGLSETEPGSFLYYAPFDGILGLAYPSISSGATPVFDNIWNQGLVsqDLFSVYL SADDKSGSVVIFGGIDSSYYTGSLNwVPVtVEGYWQITVDSITMNGETIACAEG CQAIvDTGTsLLTGPTSPIANIQSDIGAsENSDGDMVvSCSAISSLPDIVFTINGV QYPVPPSAYILQSEGSCISGFQGMNVPTESGELWILGDVFIRQYFTVFDRANNQ VGLAPVA with polyhistidine tag at the C-terminus</p>
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.
Reconstitution	<p>It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.</p>
Stability & Storage	<p>This product is stable after storage at:</p> <ul style="list-style-type: none"> -20°C for 12 months in lyophilized state from date of receipt. -20°C or -80°C for 1 month under sterile conditions after reconstitution. <p>Avoid repeated freeze/thaw cycles.</p>



SDS-PAGE analysis of recombinant human PGA5

For research use only.