

Active Recombinant Human Pepsinogen I Protein

Cat. No. PGC-1028H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human pepsinogen I protein. Predicted molecular weight: 40 kDa.
Species	Human
Source	E.coli
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 Helicobacter pylori (H. Pylori) infections, peptic ulcer disease, gastritis, and gastric cancer. More precise analysis may be achieved by measuring the pepsinogen I/II ratio.
Form	Lyophilized from 0.2 µm filtered solution
Bio-activity	Anti- h Pepsinogen I 8003 : + Anti- h Pepsinogen I 8015 : +
Molecular Mass	40 kDa
AA Sequence	MIMYKVPLIRKKSLRRTLSEGRLLKDFLKKHNLNPARKYFPQWEAPTLVDEQPLENY LDMEYFGTIGI GTPAQDFTVVFDTGSSNLWVPSVYCSSLACTNHNRFNPEDSSTYQ STSETVSITYGTGSMTGILGYD TVQVGGISDTNQIFGLSETEPGSFLYYAPFDGILGL AYPSISSSGATPVFDNIWNQGLVSQLDFSVYLS ADDQSGSVVIFGGIDSSYYTGSLN WVPVTVEGYWQITVDSITMNGEAIACAEGCQAIVDTGTSLLTG PTSPIANIQSDIGAS ENSDGDMVVSCSAISSLPDIVFTINGVQYPVPPSAYILQSEGSCISGFQGMNLPT ES

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GELWILGDV FIRQYFTV FDRANNQVGLAPVA

Storage	2–8centigrade
Concentration	0.5 mg/ml when reconstituted with 200 µof deionized water
Storage Buffer	50 mM Tris-HCl, pH 7.5; 150 mM NaCl, 0,5 g/ml pepstatin A; containing 6 % sucrose as a stabilizer
Reconstitution	Reconstitute lyophilized protein with 200 µof deionized water

GENE INFORMATION

Gene Name	PGC progastricsin (pepsinogen C) [Homo sapiens]
Official Symbol	PGC
Synonyms	PGC; progastricsin (pepsinogen C); gastricsin; pepsin C; pepsinogen C; preprogastricsin; pepsinogen group II; PEPC; PGII; FLJ99563;
Gene ID	5225
mRNA Refseq	NM_001166424
Protein Refseq	NP_001159896
MIM	169740
UniProt ID	P20142

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