

Recombinant Human PGA3 protein, His-tagged

Cat. No. PGA3-361H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PGA3 protein was fused to His-tag at C-terminus and expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene encodes a protein precursor of the digestive enzyme pepsin, a member of the peptidase A1 family of endopeptidases. The encoded precursor is secreted by gastric chief cells and undergoes autocatalytic cleavage in acidic conditions to form the active enzyme, which functions in the digestion of dietary proteins. This gene is found in a cluster of related genes on chromosome 11, each of which encodes one of multiple pepsinogens. Pepsinogen levels in serum may serve as a biomarker for atrophic gastritis and gastric cancer.
Form	1x PBS pH 7.4. Lyophilized powder.
Molecular Mass	41.1 kDa
AA Sequence	IMYKVPLIRKKSLRRTLSEGLLKDFLLKHNLPARKYFPQWEAPTLVDEQPLENYLD MEYFGTIGIGTPAQDFTVVFDTGSSNLWVPSVYCSSLACTNHNRFNPEDSSTYQST SETVSITYGTGSMTGILGYDTVQVGGISDTNQIFGLSETEPGSFLYYAPFDGILGLAYP SISSSGATPVFDNIWNQGLVSQLFSVYLSADDQSGSVVIFGGIDSSYYTGSLNWWP VTVEGYWQITVDSITMNGEAIACAEGCQAIVDTGTSLLTGPTSPIANIQSDIGASENSD GDMVVSCSAISSLPDIVFTINGVQYPVPPSAYILQSEGSCISGFQGMNLPTEGELWI

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LGDVFIHQYFTVFDRANNQVGLAPVAHHHHHH

Purity > 90%, by SDS-PAGE gel stained with R250.

Applications Quality control, calibrators.

Storage Freeze-dried powder at 4 centigrade for three years, after reconstitution at -20 centigrade for one year.

GENE INFORMATION

Gene Name [PGA3](#)

Official Symbol [PGA3](#)

Synonyms PG I

Gene ID [643834](#)

mRNA Refseq [NM_001079807.4](#)

Protein Refseq [NP_001073275.1](#)

MIM [169710](#)

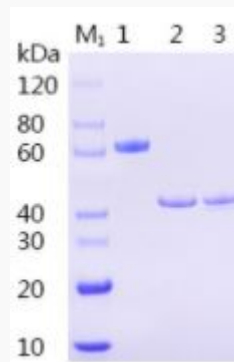
UniProt ID [P0DJJ8](#)

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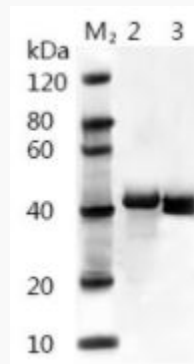
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SDS-PAGE of PGA3-361H



Lane 1: BSA(1.0 μ g); Lane 2: PGA3 protein(1.0 μ g)(Reduced); Lane 3: PGA3 protein(1.0 μ g)(Non-reduced)

Western blot of PGA3-361H



Lane 2: PGA3 protein(1.0 μ g)(Reduced); Lane 3: PGA3 protein(1.0 μ g)(Non-reduced); Using Anti-His tag antibody.