



[Go to Product page](#)

Datasheet for ABIN7536393  
**PGA4 Protein (His tag)**

### Overview

Quantity:	100 µg
Target:	PGA4
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PGA4 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Pepsin A-4/PGA4 Protein
Sequence:	MKWLLLLGLV ALSECIMYKV PLIRKKSLRR TLSERGLLKD FLKKHNLNPA RKYFPQWEAP TLVDEQPLEN YLDMEYFGTI GIGTPAQDFT VVFDTGSSNL WVPSVYCSSL ACTNHNRFNP EDSSTYQSTS ETVSITYGTG SMTGILGYDT VQVGGISDTN QIFGLSETEP GSFLYYAPFD GILGLAYPSI SSSGATPVFD NIWNQGLVSQ DLFSVYLSAD DQSGSVWIFG GIDSSYYTGS LNWVPVTVEG YWQITVDSIT MNGEAIACAE GCQAIVDGT SLLTGPTSPI ANIQSDIGAS ENSDGDMVVS CSAISSLPDI VFTINGVQYP VPPSAYILQS EGSCISGFQG MNLPTESGEL WILGDVFIRQ YFTVFDRANN QVGLAPVA
Specificity:	Met1-Ala388
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.001EU/µg

## Target Details

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Target:	PGA4
Alternative Name:	Pepsin A-4/PGA4 ( <a href="#">PGA4 Products</a> )
Background:	<p>Description: PGA4 (Pepsinogen 4, group I), or Pepsinogen A, is a member of the peptidase A1 family. Pepsin is expressed as a pro-form zymogen, pepsinogen, whose primary structure has an additional 44 amino acids. Pepsin is stored as pepsinogen so it will only be released when needed, and does not digest the body's own proteins in the stomach's lining. Five types of zymogens of pepsins, gastric digestive proteinases, are known: pepsinogens A, B, and F, progastricsin, and prochymosin. There are two major groups of pepsinogen, namely pepsinogen A (PGA) and pepsinogen C (PGC) (or progastricsin), and each frequently has isozymogens. The PGA3, PGA4 and PGA5 genes encode identical human pepsinogen A enzymes.</p> <p>Name: Pepsin A-4,PGA4</p>
Gene ID:	643847
UniProt:	<a href="#">P0DJD7</a>

## Application Details

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Restrictions: For Research Use only

## Handling

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Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Concentration:	1.65 mg/mL
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.