

Animal-Free PGA5 Protein, Human (His)

Cat. No.:	HY-P700144AF
Synonyms:	Pepsin A-5; EC:3.4.23.1; pepsinogen 5, group I (pepsinogen A); Pepsinogen A5; PGA5
Species:	Human
Source:	E. coli
Accession:	P0DJD9 (M1-A388)
Gene ID:	5222
Molecular Weight:	Approximately 42.80 kDa

PROPERTIES

AA Sequence	<pre> MKWLLLLGLV ALSECI MYKV PLIRKKS LRR T L S E R G L L K D F L K K H N L N P A R K Y F P Q W E A P T L V D E Q P L E N Y L D M E Y F G T I G I G T P A Q D F T V V F D T G S S N L W V P S V Y C S S L A C T N H N R F N P E D S S T Y Q S T S E T V S I T Y G T G S M T G I L G Y D T V Q V G G I S D T N Q I F G L S E T E P G S F L Y Y A P F D G I L G L A Y P S I S S S G A T P V F D N I W N Q G L V S Q D L F S V Y L S A D D K S G S V V I F G G I D S S Y Y T G S L N W V P V T V E G Y W Q I T V D S I T M N G E T I A C A E G C Q A I V D T G T S L L T G P T S P I A N I Q S D I G A S E N S D G D M V V S C S A I S S L P D I V F T I N G V Q Y P V P P S A Y I L Q S E G S C I S G F Q G M N V P T E S G E L W I L G D V F I R Q Y F T V F D R A N N Q V G L A P V A </pre>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.
Endotoxin Level	<0.1 EU per 1 µg of the protein by the LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	PGA5 protein demonstrates a wide substrate specificity, with a preference for cleaving bonds involving phenylalanine and
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leucine. Notably, it exhibits the ability to cleave many other types of bonds to some extent.

Caution: Product has not been fully validated for medical applications. For research use only.

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