

Pepsinogen A (PGA) Recombinant Protein | PGA recombinant protein

Recombinant Pepsinogen A (PGA)

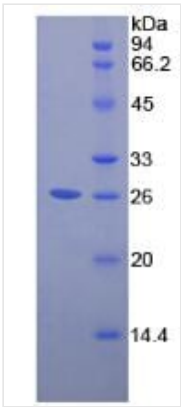
CATALOG # AAA134253	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Pepsinogen A (PGA); Recombinant Pepsinogen A (PGA); PGA recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Sequence	Thetargetp roteinisfu sedwithN-t erminalHis -Tag,itsse quenceisli stedbelow. MGHHHH HHS GSEF-VD EQPLENYLDM EYFGTIGIGT PAQDFTVVFD TGSSNLWVPS VYCSSLACTN HNRFPEDSS TYQSTSETVS ITYGTGSMTG ILGYDTVQVG GISDTNQIFG LSETEPGSFL YYAPFDGILG LAYPSISSSG ATPVFDNIWN QGLVSQDLFS VYLSADDKSG SVVIFGGIDS SYYTGSLNWV PVTVEGYWQI TVDSITMNGE TIACAEGCQA IVDGTGSLLT GPTSPIANIQ S
Sequence Length	388
Applicable Applications for PGA recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Homo sapiens (Human)
Expression System	Prokaryotic expression
Residues	Val63~Ser295 (Accession # P0DJ9) with N-terminal His-Tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.



VDEQPLEN YLDMEYFGTI GIGTPAQDFT VVFDTGSSNL
WVPSVYCSSL ACTNHNRFNP EDSSTYQSTS ETVSITYGTG SMTGILGYDT
VQVGGISDTN QIFGLSETEP GSFLYYAPFD GILGLAYPSI SSSGATPVFD
NIWNQGLVSQ DLFSVYLSAD DKSGSVVIFG GIDSSYYTGS LNWVPVTVEG
YWQITVDSIT MNGETIACAE GCQAIVDTGT SLTGPTSPI ANIQS

Sequence

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	23943854
NCBI GeneID	5222
NCBI Accession #	NP_055039.1
NCBI GenBank Nucleotide #	NM_014224.2
UniProt Accession #	P0DJJD9; P00790; Q7M4R0; Q8N1E3; A8K749; B7ZW62; B7ZW75
Molecular Weight	26.3kDa
NCBI Official Full Name	pepsin A-5 preproprotein
NCBI Official Synonym Full Names	pepsinogen 5, group I (pepsinogen A)
NCBI Official Symbol	PGA5
NCBI Official Synonym Symbols	PGA3; PGA4
NCBI Protein Information	pepsin A-5; pepsinogen-5; pepsinogen A5
UniProt Protein Name	Pepsin A-5
UniProt Gene Name	PGA5
UniProt Entry Name	PEPA5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.