

## ARG70453 Human PGA5 recombinant protein (His-tagged, C-ter)

Package: 100 µg, 20 µg  
Store at: -20°C

### Summary

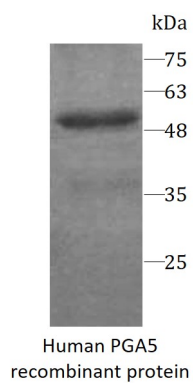
Product Description	E. coli expressed, His-tagged (C-ter) Human PGA5 recombinant protein
Tested Application	SDS-PAGE
Target Name	PGA5
Species	Human
A.A. Sequence	Met1 - Ala388
Expression System	E. coli
Alternate Names	PGA5; Pepsinogen A5; Pepsinogen 5, Group I (Pepsinogen A); Pepsinogen-5; Pepsin A-5; Pepsin A; Pepsinogen-4

### Properties

Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 8.0)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	PGA5
Gene Full Name	Pepsinogen A5
Background	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.
Function	Shows particularly broad specificity; although bonds involving phenylalanine and leucine are preferred, many others are also cleaved to some extent.
PTM	Disulfide bond, Phosphoprotein, Zymogen
Cellular Localization	Secreted



ARG70453 Human PGA5 recombinant protein (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70453 Human PGA5 recombinant protein (His-tagged, C-ter)