

Pepsinogen II Active Protein | PGC active protein

Pepsinogen II (PGII/PGC), Human Gastric Mucosa

CATALOG # AAA44860	HOST Human gastric mucosa	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

Pepsinogen II; Pepsinogen II (PGII/PGC); Human Gastric Mucosa; Pepsinogen C; PG II; PGC; Gastricsin; Pepsinogen II (PGII; PGC) - >=90% (SDS-PAGE) - Lyophilized; PGC active protein

PRODUCT SPECIFICATIONS

Host	Human gastric mucosa
Purity/Purification	≥90% (SDS-PAGE) may contain minor cleavage products.
Form/Format	Powder, lyophilized from tris chloride, pH 8.5
Sequence Length	315
Applicable Applications for PGC active protein	WB (Western Blot)
Appearance	White to off-white powder.
Solubility	Clear, colorless (1mg/mL 0.02 M Tris-Chloride, pH= 8.0 buffer)
Protein	1.4 mg protein /vial (E ^{0.1%} _{280nm} = 1.43)
Specific Activity	2,920 U/mg protein (after activation)
Unit Definition	One unit will produce a change in A280 of 0.001 per minute at pH 2.0 and 37°C, measured as TCA-soluble products from hemoglobin.
Identity	Confirmed by Western Blot.
Handling	Handle as a potentially hazardous substance
Reconstitution	After reconstitution maintain at or above pH 8.0 to avoid activation.
Preparation and Storage	Store at -20°C.

ADDITIONAL INFORMATION

Related Product Information for PGC active protein	AAA Biotech is the leading producer and supplier of Human Pepsinogen II/C antigen as a stomach gastric cancer marker for medical research, clinical and manufacturing. Custom preparations, technical support, bulk quantities and aliquoting available. Human Pepsinogens are aspartic proteases produced in the gastric mucosa and secreted into the gastric lumen that play a major role in the digestion of proteins after activation of acidic pH. Pepsinogen is synthesized as isoenzymes and are classified into two groups, I and II.
Product Categories/Family for PGC active protein	Proteins ; Antigens ; Enzymes ; Standards/controls ; Native Proteins ; Pepsinogen II (pgii; Pgc)

NCBI AND UNIPROT INFORMATION

NCBI GI #	129796
NCBI GeneID	5225
UniProt Accession #	P20142; Q5T3D7; Q5T3D8; B4DVZ3
Molecular Weight	40,600
NCBI Official Full Name	Gastricsin
NCBI Official Synonym Full Names	progastricsin (pepsinogen C)
NCBI Official Symbol	PGC
NCBI Official Synonym Symbols	PEPC; PGII
NCBI Protein Information	gastricsin; pepsin C; pepsinogen C; preprogastricsin; pepsinogen group II
UniProt Protein Name	Gastricsin
UniProt Gene Name	PGC
UniProt Entry Name	PEPC_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.

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Online datasheet: <https://www.aaabiotech.com/human-pgc-active-protein/pepsinogen-ii/44860>