

Human Pepsin A-3(PGI) Recombinant Protein

PX-P3000-10

DESCRIPTION

Human recombinant PAG3 (Pepsinogen 3, group I) belongs to the peptidase A1 family. Pepsinogens are the inactive precursors of pepsin, the main acid protease located in the stomach. Pepsin is one of the major proteolytic enzymes secreted by the gastric mucosa. Pepsin is specifically useful in cleaving peptide bonds involving aromatic amino acids. Pepsin shows extremely broad specificity; Even though bonds involving phenylalanine and leucine are favored, a lot of others are also cleaved to some extent.

OVERVIEW

SIZE	10 ug
ORIGIN SPECIES	Human
FRAGMENT	
PROTEIN DELIVERED WITH TAG	Yes
MOLECULAR WEIGHT WITH TAG IF ANY	44.68 kDa
DELIVERY CONDITION	Dry Ice

PRODUCT INFORMATION

EXPRESSION SYSTEM	Eukaryotic expression
HOST	mammalian
PURITY	85%
PROTEIN ACCESSION	
FORM	Frozen
BUFFER	PBS, pH 7.5
STABILITY & STORAGE	4°C for short term (1 week), -20°C or -80°C for long term (avoid freezing/thawing cycles; addition of 20-40% glycerol improves cryoprotection)

MORE INFO

GENE ID

SWISSPROTID P0DJD8.1

UNIPROT ID P0DJD8

UNIPROT LINK <http://www.uniprot.org/uniprot/P0DJD8>

NCBI GENE ALIASES PGA3

SYNONYMS Pepsinogen-3, Pepsin A-3, PGA3

PROTEIN SEQUENCE

MKWLLLLGLVALSECIMYKVPLIRKKSRLRRTLSEGLLKDFLKKNLNPARKYFPQWKAPTLVDEQPLENYLDMEYFGTIGTTPAQDFTVVFDTGSSNLWVPSV
YCSSLACTNHNRFNPEDSSTYQSTSETVSITYGTGSMTGILGYDTVQVGGISDTNQIFGLSETEPGSFLYYAPFDGILGLAYPSISSGATPVFDNIWNQGLVSQDLFS
VYLSADDQSGSVVIFGGIDSSYYTGSLNWVPVTVEGYWQIT

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