

Active Recombinant Human PGA4 Protein, His-tagged

Cat. No. PGA4-479H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PGA4 (P00790) (Met 1-Ala 388) was fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-388 a.a.
Predicted N Terminal	Ile 16
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH ₂ . The specific activity is >10,000 pmoles/min/μg.
Molecular Mass	The secreted recombinant human PGA4 consists of 384 amino acids and has a predicted molecular mass of 41.7 kDa. It migrates as an approximately 45 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	>97 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	PGA4 pepsinogen 4, group I (pepsinogen A) [Homo sapiens]
Official Symbol	PGA4
Synonyms	pepsinogen A4; pepsinogen-4
Gene ID	643847
mRNA Refseq	NM_001079808
Protein Refseq	NP_001073276
MIM	169720
UniProt ID	P0DJJD7
Chromosome Location	11q12.2
Pathway	Metabolism of proteins, organism-specific biosystem; Protein digestion and absorption, organism-specific biosystem; Surfactant metabolism, organism-specific biosystem

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