

Recombinant Human PAPPA

Cat. No. PAPPA-28235TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human full-length PAPP A.
Species	Human
Source	E.coli
Description	This gene encodes a secreted metalloproteinase which cleaves insulin-like growth factor binding proteins (IGFBPs). It is thought to be involved in local proliferative processes such as wound healing and bone remodeling. Low plasma level of this protein has been suggested as a biochemical marker for pregnancies with aneuploid fetuses.
Tissue specificity	High levels in placenta and pregnancy serum. In placenta, expressed in X cells in septa and anchoring villi, and in syncytiotrophoblasts in the chorionic villi. Lower levels are found in a variety of other tissues including kidney, myometrium, endometrium
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 50% Glycerol, PBS
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequence Similarities Belongs to the peptidase M43B family. Contains 5 Sushi (CCP/SCR) domains.

GENE INFORMATION

Gene Name PAPPA pregnancy-associated plasma protein A, pappalysin 1 [Homo sapiens]

Official Symbol PAPPA

Synonyms PAPPA; pregnancy-associated plasma protein A, pappalysin 1; pappalysin-1; ASBABP2; aspecific BCL2 ARE binding protein 2; differentially placenta 1 expressed protein; DIPLA1; IGFBP 4ase; insulin like growth factor dependent IGF binding protein 4 protease;

Gene ID 5069

mRNA Refseq NM_002581

Protein Refseq NP_002572

MIM 176385

Uniprot ID Q13219

Chromosome Location 9q33.1

Pathway Diabetes pathways, organism-specific biosystem; Regulation of Insulin-like Growth Factor (IGF) Activity by Insulin-like Growth Factor Binding Proteins (IGFBPs), organism-specific biosystem;

Function endopeptidase activity; metal ion binding; metallopeptidase activity; metallopeptidase

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activity; peptidase activity;

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