Pregnancy Associated Plasma Protein A (PAPP-A) ELISA Kit for Pigeon

PRODUCT OVERVIEW

Product Name	Pregnancy Associated Plasma Protein A (PAPP-A), ELISA Kit
Full Product Name	Pigeon Pregnancy Associated Plasma Protein A ELISA Kit
Product Gene Name	PAPP-A elisa kit
Species Reactivity	Pigeon
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	180,973 Da
OMIM	176385
3D Structure	ModBase 3D Structure for Q13219
Related Product Information for PAPP-A elisa kit	MBS068675 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Pregnancy Associated Plasma Protein A (PAPP-A) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing PAPP-A. The ELISA analytical biochemical technique of the MBS068675 kit is based on PAPP-A antibody-PAPP-A antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect PAPP-A antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, PAPP-A. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of PAPP-A elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PAPP-A. It may not necessarily be applicable to this product.

NCBI GI #	223590248
NCBI GeneID	5069
NCBI Accession #	Q13219.3
UniProt Primary Accession #	Q13219
UniProt Secondary Accession #	Q08371; Q68G52; Q9UDK7; B1AMF9
UniProt Related Accession #	Q13219
NCBI Official Full Name	Pappalysin-1
NCBI Official Synonym Full Names	pregnancy-associated plasma protein A, pappalysin 1
NCBI Official Symbol	PAPPA
NCBI Official Synonym Symbols	PAPA; DIPLA1; PAPP-A; PAPPA1; ASBABP2; IGFBP-4ase
UniProt Protein Name	Pappalysin-1
UniProt Synonym Protein Names	Insulin-like growth factor-dependent IGF-binding protein 4 protease; IGF-dependent IGFBP-4 protease; IGFBP-4ase; Pregnancy-associated plasma protein A
Protein Family	Pappalysin

UniProt Gene Name	PAPPA
UniProt Synonym Gene Names	IGF-dependent IGFBP-4 protease; IGFBP-4ase; PAPP-A
UniProt Entry Name	PAPP1_HUMAN
NCBI Protein Information	pappalysin-1; IGF-dependent IGFBP-4 protease; aspecific BCL2 ARE-binding protein 2; pregnacy-associated plasma protein A; differentially placenta 1 expressed protein; insulin-like growth factor-dependent IGF binding protein-4 protease; insulin-like growth factor-dependent IGF-binding protein 4 protease
NCBI Summary for PAPP-A	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. [provided by RefSeq, Jul 2008]
UniProt Comments for PAPP-A	PAPPA: Metalloproteinase which specifically cleaves IGFBP-4 and IGFBP-5, resulting in release of bound IGF. Cleavage of IGFBP-4 is dramatically enhanced by the presence of IGF, whereas cleavage of IGFBP-5 is slightly inhibited by the presence of IGF. Belongs to the peptidase M43B family. Protein type: Secreted; EC 3.4.24.79; Protease; Secreted, signal peptide Chromosomal Location of Human Ortholog: 9q33.2 Cellular Component: membrane; extracellular region Molecular Function: metallopeptidase activity; zinc ion binding; metalloendopeptidase activity Biological Process: cellular protein metabolic process; female pregnancy; cell differentiation; proteolysis
Research Articles on PAPP-A	**1.** PAPPA can be used as a novel biomarker for the diagnosis of sepsis-related myocardial dysfunction and the prediction of outcomes in critically ill patients.
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