

PAPPA

Native Human Pregnancy-Associated Plasma Protein-A (PAPP-A)

Catalog No.	CSI14139A CSI14139B	Quantity:	1 mg 10 mg
Alternate Names:	Pappalysin-1, Pregnancy-associated plasma protein A, PAPP-A, Insulin-like growth factor-dependent IGF-binding protein 4 protease, IGF-dependent IGFBP-4 protease, IGFBP-4ase		
Description:	Pappalysin-1 is a secreted metalloproteinase which cleaves insulin-like growth factor binding proteins (IGFBPs). PAPP-A's proteolytic function is activated upon collagen binding. It is thought to be involved in local proliferative processes such as wound healing and bone remodeling. Low PAPP-A may be commonly seen in prenatal screening for Down syndrome or predict issues with the placenta, resulting in adverse complications such as intrauterine growth restriction, preeclampsia, placental abruption, premature birth, or fetal death.		
UniProt ID:	Q13219		
Source:	Human plasma		
Molecular Weight:	Approximately 200 kDa		
Concentration:	~1 mg/ml, lot specific		
Formulation:	PBS, pH 7.4		
Purity:	≥ 90% by SDS-PAGE		
Storage & Stability:	Store as supplied for up to 1 year at -20°C to -80°C. It is recommended to prepare single-use aliquots and immediately store at -80°C for up to 3 months. Avoid repeated freeze/thaw cycles.		
Certification:	Raw materials from donors has been tested and found to be negative for HIV-1/HIV-2, Hepatitis B Core Antigen, Hepatitis B Surface Antigen, Hepatitis C Virus and Syphilis by current FDA approved methods. However, because no test method can offer complete assurance that HIV, HBsAg, HCV, Syphilis or other infectious agents are absent, this material should be handled at the Bio-safety Level 2 (BSL 2) as recommended for any potentially infectious human fluids or blood specimen in the CDC/NIH manual "Biosafety in Microbiological and Biomedical Laboratories", 1999.		

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