

Recombinant Human PAEP, His-tagged

Cat. No. PAEP-7563H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PAEP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	19-180aa
Antigen Description	PAEP is a member of the kernel lipocalin super family whose members share relatively low sequence similarity but have highly conserved exon/intron structure and three-dimensional protein folding. Most lipocalins are clustered on the long arm of chromosome 9. This protein been previously referred to as pregnancy-associated endometrial alpha-2-globulin, placental protein 14, and glycodeilin, but has been officially named progestogen-associated endometrial protein.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT.
Molecular Mass	21 kDa (185aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSM DIPQTK QDLELPKLAG TWHS MAMATN NISLMATLKA PLRVHITSLL PTPEDNLEIV LHRWENN SCV EKKVLGEKTE NPKKFKINYT VANEATLLDT DYDNFLFLCL QDTTTPIQSM MCQYLARVLV EDDEIMQGF I RAFRPLPRHL WYLLDLKQME EPCRF

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Purity	>90% as determined by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml

GENE INFORMATION

Gene Name	PAEP progestagen-associated endometrial protein [Homo sapiens]
Official Symbol	PAEP
Synonyms	PAEP; progestagen-associated endometrial protein; glyodelin; alpha uterine protein; GD; GdA; GdF; GdS; glyodelin A; glyodelin F; glyodelin S; MGC138509; MGC142288; PAEG; PEP; PP14; PP14 protein (placental protein 14); pregnancy associated endometrial alpha 2 globulin; progesterone associated endometrial protein; PEG; glyodelin-A; glyodelin-F; glyodelin-S; placental protein 14; progesterone-associated endometrial protein; pregnancy-associated endometrial alpha-2 globulin; pregnancy-associated endometrial alpha-2-globulin; progestagen-associated endometrial protein (placental protein 14, pregnancy-associated endometrial a;
Gene ID	5047
mRNA Refseq	NM_001018049
Protein Refseq	NP_001018059

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MIM	173310
UniProt ID	P09466
Chromosome Location	9q34
Function	binding; transporter activity;

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