

## PAEP Human

**Description:** PAEP Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 185 amino acids (19-180a.a) and having a molecular mass of 21kDa. PAEP is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-1404

For research use only.

**Synonyms:** GD, GdA, GdF, GdS, PAEG, PEP, PP14, Glycodelin, Placental protein 14, Pregnancy-associated endometrial alpha-2 globulin, PEG, Progesterone-associated endometrial protein.

**Source:** E.coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHH SSGLVPRGSH MGSM DIPQTK QDLELPKLAG  
TWHSMAMATN NISLMATLKA PLRVHITSLL PTPEDNLEIV LHRWENNSCV EKKVLGEKTE  
NPKKFKINYT VANEATLLDT DYDNFLFLCL QDTTPIQSM MCQYLARVLV EDDEIMQGFI  
RAFRPLPRHL WYLLDLKQME EPCRF.

**Purity:** Greater than 90% as determined by SDS-PAGE.

**Formulation:**

PAEP protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 30% glycerol and 1mM DTT.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Progesterone-Associated Endometrial Protein (PAEP) is a member of the kernel lipocalin super family whose members share rather 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. PAEP protein has been previously referred to as pregnancy-associated endometrial alpha-2-globulin, placental protein 14, and glycodelin.

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