
Product Data Sheet

Product Name: PAEP Human
 Cat. No.: GP24120
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	GD; GdA; GdF; GdS; PAEG; PEP; PP14; Glycodelin; Placental protein 14; Pregnancy-associated endometrial alpha-2 globulin; PEG; Progestagen-associated endometrial protein.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSM DIPQTK QDLELPKLAG TWHSMAMATN NISLMATLKA PLRVHITSLL PTPEDNLEIV LHRWENNSCV EKKVLGEKTE NPKKFKINYT VANEATLLDT DYDNFLFLCL QDTTTPIQSM MCQYLARVLV EDDEIMQGF I RFRPLPRHL WYLLDLKQME EPCRF.		
Formulation	PAEP protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 30% glycerol and 1mM DTT.		

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.

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.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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PAEP is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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