

Product datasheet for **AR50831PU-S**

Glycodelin / PAEP (19-180, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Glycodelin / PAEP (19-180, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMDIPQTK QDLELPKLAG TWHSMAMATN NISLMATLKA PLRVHITSLL PTPEDNLEIV LHRWENNSCV EKKVLGEKTE NPKKFKINYT VANEATLLDT DYDNFLFLCL QDTTPIQSM MCQYLARVLV EDDEIMQGFI RAFRPLPRHL WYLLDLKQME EPCRF
Tag:	His-tag
Predicted MW:	21 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PAEP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001018058
Locus ID:	5047
UniProt ID:	P09466 , B4E3C0
Cytogenetics:	9q34.3
Synonyms:	GD; GdA; GdF; GdS; PAEG; PEP; PP14; ZIF-1



[View online »](#)

Summary:

This gene is a member of the kernel lipocalin superfamily 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. The encoded glycoprotein has been previously referred to as pregnancy-associated endometrial alpha-2-globulin, placental protein 14, and glycodelin, but has been officially named progesterone-associated endometrial protein. Three distinct forms, with identical protein backbones but different glycosylation profiles, are found in amniotic fluid, follicular fluid and seminal plasma of the reproductive system. These glycoproteins have distinct and essential roles in regulating a uterine environment suitable for pregnancy and in the timing and occurrence of the appropriate sequence of events in the fertilization process. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015]

Protein Families:

Druggable Genome

Product images: