

PAEP, 19-180aa

Cat.NO.: TP03282

3th Edition

Synonyms:Glycodelin precursor, GD, GdA, GdF, GdS, PAEG, PEP, PP14.

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 glycodelin, but has been officially named progesterone-associated endometrial protein. Recombinant human PAEP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT.

Molecular Weight:21 kDa (185aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSM DIPQTKQDLELPKLAGTWHSMAMATNNISLMATLKAPLRVHITSLLLPTPED
NLEIVLHRWENNSCVEKKVLGEKTENPKKFKINYTVANEATLLD TDYDNFLFLCLQDTTTPIQSM MCQYLARVLVED
DEIMQGFIRAFRPLPRHLWYLLDLKQME EPCRF

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.