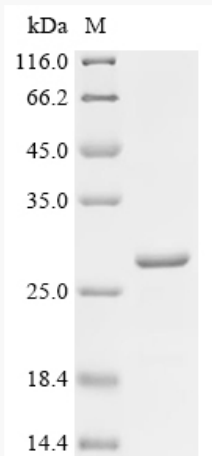


for research use only
Datasheet

Product Name	Recombinant Human Glycodelin(PAEP)
Catalog Number	AAA15939
Expression host	<i>Yeast</i>
Product Info	N-terminal 6xHis-tagged
Buffer	Lyophilized from a 0.2 μm sterile filtered 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH 8.0 The volume before lyophilization is 495 μl/vial.
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Relevance	Glycoprotein that regulates critical steps during fertilization and also has immunomodulatory effects. Four glycoforms, namely glycodelin-S, -A, -F and -C have been identified in reproductive tissues that differ in glycosylation and biological activity. Glycodelin-A has contraceptive and immunosuppressive activities (PubMed:9918684, PubMed:7531163).
AA sequence	MDIPQTKQDLELPKLAGTWHSMAMATNNISLMATLKAPLRVHITSLLPTPEDNL EIVLHRWENNSCVEKKVLGEKTENPKKFKINYTVANEATLLD TDYDNFLFLCL QDTTTPIQSMMCQYLARVLVEDDEIMQGFIRAFRPLPRHLWYLLDLKQMEEPC RF
References	Complete amino acid sequence of human placental protein 14: a progesterone-regulated uterine protein homologous to beta-lactoglobulins. Julkunen M., Seppala M., Janne O.A. PubMed Europe PMC Proc. Natl. Acad. Sci. U.S.A. 85:8845-8849 (1988)

Certificate of Analysis

Product Name	Recombinant Human Glycodelin(PAEP)		
Catalog Number	MBS718444		
Expression host	Yeast		
Product Info	N-terminal 6xHis-tagged		
Buffer	Lyophilized from a 0.2 μ m sterile filtered 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH 8.0 The volume before lyophilization is 495 μ l/vial.		
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20℃/-80℃. Our default final concentration of glycerol is 50%. Customers could use it as reference.		
Batch Number	DD05747b1g0		
Nature	Human PAEP-(AA 19-180)-P09466-Full Length of Mature Protein		
Purification	Affinity purified using IMAC		
Recommended Storage	Short term	2 to 8 ℃, one week after reconstitution	
	Long term	-20 to -80 ℃, twelve months from the date of receipt	
Form	Lyophilized powder		
Date of detection	2023.10.27		
Test Items	Specifications		Results
Purity	≥85%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.		96%
Molecular Weight	Predicted band size: 20.8 kDa		Observed band size: 28 kDa The reducing (R) protein migrates as 28 kDa in SDS-PAGE may be due to glycosylation.

Observed band size: 28 kDa

The reducing (R) protein migrates as 28 kDa in SDS-PAGE may be due to glycosylation.

for research use only

Electrophoretic parameters	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.	
Aseptic Processing	<p>Lyophilized protein has been sterile filtered prior to lyophilization.</p> <p>However, the lyophilization process could potentially compromise sterility and please follow the instruction below if customers need a sterile filtered protein.</p> <p>Please sterile filter reconstituted lyophilized proteins with a 0.22µm filter in a clean bench (or other sterile environment) after reconstitution.</p> <p>Customers could use it as reference.</p>	
Endotoxin Level	<1.0 EU per 1µg of the protein by the LAL method.	pass
Activity	Not tested	
Conclusion	pass	