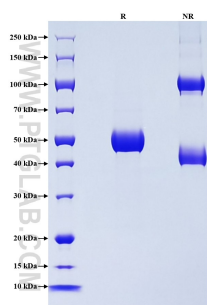


# Recombinant Human PAEP/Glycodelin protein (rFc Tag)

Catalog Number: Eg3037

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p><b>Purity:</b> &gt;90 %, SDS-PAGE</p> <p><b>Endotoxin Level:</b> &lt;0.1 EU/ µg protein, LAL method</p> <p><b>Source:</b> HEK293-derived Human PAEP protein Met19-Phe180 (Accession# P09466-1) with a rabbit IgG Fc tag at the C-terminus.</p> <p><b>GeneID:</b> 5047</p> <p><b>Accession:</b> P09466-1</p> <p><b>Predicted Molecular Mass:</b> 44.9 kDa</p> <p><b>SDS-PAGE:</b> 45-55 kDa, reducing (R) conditions</p> <p><b>Formulation:</b> Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p><b>Storage:</b> It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"><li>• Until expiry date, -20°C to -80°C as lyophilized proteins.</li><li>• 3 months, -20°C to -80°C under sterile conditions after reconstitution.</li></ul> <p><b>Shipping:</b> The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>Glycodelin (also known as Progesterone Associated Endometrial Protein, PAEP, and Placental Protein 14, PP14) is a secreted human lipocalin-family protein mainly expressed in well-differentiated epithelial cells in human reproductive tissues, like endometrium and seminal vesicles. While different cells produce differentially glycosylated isoforms of Glycodelin: decidualized endometrium-derived glycodelin-A (GdA), seminal vesicle-derived glycodelin-S (GdS), glycodelin-F (isolated from follicular fluid), and glycodelin-C (isolated from cumulus cells). Glycodelin has been involved in cell differentiation and tumor growth.</p>		
References	<ol style="list-style-type: none"><li>1. Mrozikiewicz AE, et al. (2021) Int J Mol Sci. 22(18):10082.</li><li>2. Huang X, Wu L, et al. (2023) Clin Exp Immunol. 212(3):285-295.</li><li>3. Cui J, Shi X, et al. (2023) Front Microbiol. 14:1093668.</li></ol>		
Synonyms	Glycodelin, PAEP, PAEP/Glycodelin, GD, GdF		

## Selected Validation Data



Purity of Recombinant Human PAEP was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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