

Glycodelin Protein, Human, Recombinant (His)

General Information

Synonyms:	Placental protein 14 (PP14);Pregnancy-associated endometrial alpha-2 globulin (PAEG;PEG); Zona-binding inhibitory factor-1 (ZIF-1);Progesterone-associated endometrial protein; Progestagen-associated endometrial protein;Glycodelin;GD;PAEP
Protein Construction:	19-180 aa
Species:	Human
Expression Host:	E. coli
Accession:	P09466
Molecular Weight:	22.4 kDa (predicted)
AA Sequence:	MDIPQTKQDLELPKLAGTWHSMAMATNNISLMATLKAPLRVHITSLLPTPEDNLEIVLHRWENNNSCVEKKVLG EKTENPKKFKINYTVANEATLLDTDYDNFLFLCLQDTTPIQSMQCQYLARVLVEDDEIMQGFIRAFRPLPRHL WYLLDLKQMEEPCRF

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

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.

A DRUG SCREENING EXPERT

Glycodelin-C stimulates binding of spermatozoa to the zona pellucida. Glycodelin-F inhibits spermatozoa-zona pellucida binding and significantly suppresses progesterone-induced acrosome reaction of spermatozoa. Glycodelin-S in seminal plasma maintains the uncapacitated state of human spermatozoa.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481