

Recombinant Human PSG2 protein (rFc Tag)

Catalog Number: Eg8789

Basic Information

Species:
Human**Purity:**
>90 %, SDS-PAGE**Tag:**
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Human PSG2 protein Gln35-Thr335 (Accession# P11465) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

5670

Accession:

P11465

Predicted Molecular Mass:

59.1 kDa

SDS-PAGE:

63-80 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Pregnancy-specific β 1-glycoproteins (PSGs) are predominant proteins synthesized during gestation in humans, primates and rodents. In humans, PSGs are mainly secreted by syncytiotrophoblasts, while in rodents they derive from trophoblast giant cells and spongiotrophoblasts. Moreover, PSGs can serve as indicators for blastocyst quality and embryonic viability.

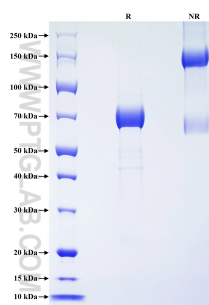
References

1. Zhou, G Q, and S Hammarström. Biology of reproduction vol. 64,1 (2001): 90-9.
2. Zhou, G Q et al. Placenta vol. 18,7 (1997): 491-501.
3. Sinosich, M J et al. Annals of the New York Academy of Sciences vol. 442 (1985): 440-4.

Synonyms

Pregnancy-specific beta-1 glycoprotein E, Pregnancy-specific beta-1-glycoprotein 2, Pregnancy-specific glycoprotein 2, PS beta E, PS beta G 2

Selected Validation Data



Purity of Recombinant Human PSG2 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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