

For Research Use Only

# Recombinant Human INSL4 protein (rFc Tag)(HPLC verified)



Catalog Number: Eg2884

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE<br>>90 %, SEC-HPLC

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE<br>>90 %, SEC-HPLC

**Endotoxin Level:**  
<0.1 EU/  $\mu$ g protein, LAL method

**Source:**  
HEK293-derived Human INSL4 protein Ala26-Thr139 (Accession# Q14641) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**  
3641

**Accession:**  
Q14641

**Predicted Molecular Mass:**  
38.6 kDa

**SDS-PAGE:**  
28-33 kDa, reducing (R) conditions

**Formulation:**  
Lyophilized from 0.22  $\mu$ m 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

The early placental insulin-like peptide, (EPIL or INSL4) is also a member of the insulin superfamily, it has the most homology with the human relaxins, RLN1 and RLN2 (44% and 43% respectively), and only 15% homology to insulin. It was initially identified from a subtracted cDNA library of a first trimester placenta, and was shown to be most highly expressed in embryonic and trophoblastic tissues.

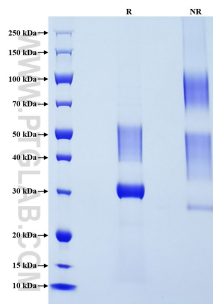
## References

1. Chassin D, et al. (1995). Genomics. 29:465-470.
2. Lin F, et al. (2004). J Pept Sci. 10:257-264.
3. Koman A, et al. (1996). J Biol Chem. 271:20238-20241.
4. Laurent A, et al. (1998). Mol Reprod Dev. 51:123-129.

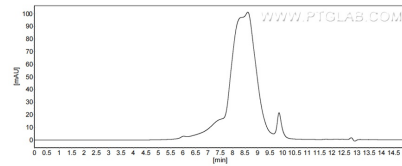
## Synonyms

Early placenta insulin-like peptide, Early placenta insulin-like peptide A chain, Early placenta insulin-like peptide B chain, EPIL, INSL 4

## Selected Validation Data



Purity of Recombinant Human INSL4 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.



The purity of Human INSL4 was greater than 90% as determined by SEC-HPLC.

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

T: 027-87531629

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.