

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### FSHR Peptide

Cat No.: BS5724P

#### Background

Follicle-stimulating hormone receptor (FSHR) is a 695 amino acid G-protein coupled receptor. FSH binds to the receptor in a hand-clasp fashion via its  $\alpha$  and  $\beta$  subunits. While the  $\alpha$  subunit of FSH is involved in the binding of FSH to the receptor, the  $\beta$  subunit stabilizes this interaction. Linkage studies suggest that a missense mutation in the FSHR gene can cause reduced FSH binding affinity and lead to a condition known as hypergonadotropic ovarian dysgenesis (ODG). In males however, this mutation does not appear to have a detrimental affect on fertility. It is believed that a mutation in the FSHR gene is also associated with ovarian hyperstimulation syndrome; a condition characterized by the presence of multiple serous and hemorrhagic follicular cysts lined by luteinized cells.

#### Swiss-Prot

P23945

#### Applications

#### Blocking

#### Specificity

This peptide can be used with studies using BS5724 FSHR pAb.

#### Purification & Purity

Synthetic peptide FSHR. (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

#### Research Use

For research use only, not for use in diagnostic procedure.

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