## Medix Biochemica

## FSH Antigen, Recombinant

| Catalog number          | 610174  |
|-------------------------|---|
| Description             | Recombinant Human Follicle Stimulating Hormone (FSH) protein, including<br>both alpha and beta subunits, with a C-terminal histidine tag in the beta<br>subunit. Predicted molecular weight: 24 kDa.  |
| Amino acid sequence     | Alpha subunit<br>APDVQDCPECTLQENPFFSQPGAPILQCMGCCFSRAYPTPLRSKKTMLV<br>QKNVTSESTCCVAKSYNRVTVMGGFKVENHTACHCSTCYYHKS   |
|                         | Beta subunit<br>NSCELTNITIAIEKEECRFCISINTTWCAGYCYTRDLVYKDPARPKIQKTCTF<br>KELVYETVRVPGCAHHADSLYTYPVATQCHCGKCDSDSTDCTVRGLGPS<br>YCSFGEMKEGSGHHHHHH  |
| Product host            | Chinese hamster ovary cell line (CHO)   |
| Product formulation     | Lyophilized   |
| Product buffer solution | Lyophilized from 50 mM Tris-HCl, 150 mM NaCl, pH 7.5  |
| Reconstitution          | Reconstitute lyophilized protein with deionized water   |
| Storage                 | Storage at 2–8 °C   |
| Analyte description     | Follicle-stimulating hormone (FSH) is a heterodimeric glycoprotein secreted<br>by the anterior pituitary gland. It is an essential hormone controlling multiple<br>processes during development, growth, pubertal maturation, and<br>reproduction. For example, in both males and females, FSH stimulates the<br>maturation of germ cells. In females, FSH has a vital role in initiating<br>follicular growth, and in the late follicular phase decrease in FSH levels<br>seems to be a critical factor in selecting only the most advanced follicle to<br>ovulate. FSH levels slightly rise again at the end of the luteal phase,<br>initiating the beginning of new ovulatory cycle. |
| Product concentration   | N/A   |
| Purity                  | ≥ 90% (HPLC-SEC)  |
| Activity                | ≥ 3700 IU/mg (immunoassay)  |
| Antibodies tested       | Anti-h FSH 6602: +<br>Anti-h FSH FA311: +<br>Anti-h Alpha subunit 5501: +<br>Anti-h Alpha subunit 5503: +<br>Anti-h Alpha subunit 6601: +   |



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