



Product Data Sheet

Cat # RP-1488

Human Goserelin

Size: 5 mg

**Source:** Goserelin is a hormone similar to the one normally released from the hypothalamus gland in the brain (GnRH super-agonist). It is used to treat for prostate and breast cancer. Goserelin decreases the amount of estrogen and testosterone by this treating endometriosis and cancer of the breast, and can help thin the uterus lining before surgery. Goserelin prevents the growth of tissue associated with endometriosis. Reducing the amount of testosterone is one way of treating prostate cancer. Goserelin contains 10 amino acids Glu<sup>1</sup>-His<sup>2</sup>-Trp<sup>3</sup>-Ser<sup>4</sup>-Tyr<sup>5</sup>-D-Ser(tBu)<sup>6</sup>-Leu<sup>7</sup>-Arg<sup>8</sup>-Pro<sup>9</sup>-AzGly<sup>10</sup>-NH<sub>2</sub> and having a molecular weight of 1269.43 Dalton. the protein (1 mg/ml) was lyophilized with no additives.

**Usage:** This item is for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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**Application and Suggested Dilution:** It is recommended to reconstitute the lyophilized Goserelin in sterile 18MQ-cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions. reater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. Users must optimize concentration and conditions for each assay.

**Storage and Stability:** Lyophilized Goserelin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Goserelin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please prevent freeze-thaw cycles.** If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4oC for ~1 week or aliquots in suitable size and store at -20oC for long term storage.