

**Prolactin (29-227) Human, Recombinant, E.coli**

**Cat.NO.: TP03536**

3th Edition

**Synonyms:**PRL

**Description:**Prolactin is a hormone synthesised and secreted by lactotrope cells in the adenohypophysis(anterior pituitary gland). Prolactin has many effects, the most significant of which is to stimulate the mammary glands to produce milk (lactation).Increased serum prolactin during pregnancy causes enlargement of the mammary glands of the breasts and increases the production of milk

**Form:**Liquid. In Phosphate buffer saline (pH 7.4)

**Molecular Weight:**23 kDa (200 aa), confirmed by MALDI-TOF

**Sequences:**

MLPICPGGAARCQVTLRDLFDRAVVLSHYIHNLSSEMFSEFDKRYTHGRGFITKAINSCHTSSLATPEDKEQAQQM  
NQKDFLSLIVSILRSWNEPLYHLVTEVRGMQEAPAILSKAVEIEEQTKRLLGEMELIVSQVHPETKENEIYPVWSGL  
PSLQMADEESRLSAYYNLLHCLRRDSHKIDNYLKLLKCRIIHNNNC

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.