

## **Product datasheet for TP305627M**

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## Prolactin (PRL) (NM\_000948) Human Recombinant Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human prolactin (PRL), 100 μg

Species: Human
Expression Host: HEK293T

**Expression cDNA Clone** >RC205627 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MNIKGSPWKGSLLLLLVSNLLLCQSVAPLPICPGGAARCQVTLRDLFDRAVVLSHYIHNLSSEMFSEFDK RYTHGRGFITKAINSCHTSSLATPEDKEQAQQMNQKDFLSLIVSILRSWNEPLYHLVTEVRGMQEAPEAI LSKAVEIEEQTKRLLEGMELIVSQVHPETKENEIYPVWSGLPSLQMADEESRLSAYYNLLHCLRRDSHKI

DNYLKLLKCRIIHNNNC

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV** 

Tag: C-Myc/DDK
Predicted MW: 25.7 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by

conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** NP 000939

Locus ID: 5617

UniProt ID: P01236, Q5THQ0



RefSeq Size: 1371

Cytogenetics: 6p22.3
RefSeq ORF: 681
Synonyms: GHA1

**Summary:** This gene encodes the anterior pituitary hormone prolactin. This secreted hormone is a

growth regulator for many tissues, including cells of the immune system. It may also play a role in cell survival by suppressing apoptosis, and it is essential for lactation. Alternative splicing results in multiple transcript variants that encode the same protein. [provided by

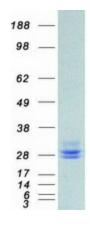
RefSeq, Aug 2011]

**Protein Families:** Druggable Genome, Secreted Protein

**Protein Pathways:** Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway, Neuroactive ligand-

receptor interaction

## **Product images:**



Coomassie blue staining of purified PRL protein (Cat# [TP305627]). The protein was produced from HEK293T cells transfected with PRL cDNA clone (Cat# [RC205627]) using MegaTran 2.0 (Cat# [TT210002]).