Recombinant Human Prolactin Reference standard, glycosylated

Cat. No. PRL -202H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This consists of a batch of ampoules containing the glycosylated component of recombinant human prolactin expressed in murine C127 cells. The primary use of this preparation, along with the parent recombinant prolactin material and the non-glycosylated component, is for investigating and characterizing the specificity of existing prolactin assays.
Species	Human
Source	Murine C127 Cell
Enzyme Unit	Each ampoule contains 5.5 µg recombinant glycosylated prolactin (by definition). On the basis of bioassay results, preparation may be assumed to contain 88 mU per ampoule.
Usage	For practical purposes each ampoule contains the same quantity of glycosylated prolactin. The entire content of each ampoule should be completely dissolved in an accurately measured amount of buffer solution. No attempt should be made to weigh out portions of the freeze dried powder. The use of water to reconstitute ampoule contents is not recommended. The material has not been sterilized and the ampoules contain no bacteriostat.
Notes	This preparation is not for administration to humans. The material is not of human or bovine origin. As with all materials of biological origin, this preparation should be

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	regarded as potentially hazardous to health. It should be used and discarded according to your own laboratorys safety procedures. Such safety procedures should include the wearing of protective gloves and avoiding the generation of aerosols. Care should be exercised in opening ampoules or vials, to avoid cuts.
Storage	Unopened ampoules should be stored at –20°C. Please note: because of the inherent stability of lyophilized material, Creative Biomart may ship these materials at ambient temperature.

GENE INFORMATION

Gene Name	PRL prolactin [Homo sapiens];
Official Symbol	PRL
Synonyms	prolactin; decidual prolactin
Gene ID	5617
mRNA Refseq	NM_000948
Protein Refseq	NP_000939
MIM	176760
UniProt ID	P01236
Chromosome Location	6p22.3
Pathway	Amyloids, organism-specific biosystem; Cytokine-cytokine receptor interaction,

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	conserved biosystem; Growth hormone receptor signaling, organism-specific biosystem
Function	hormone activity; prolactin receptor binding; protein binding

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