



Human PRLR peptide (DAG-P1083)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

| | |
|------------------------------|--|
| Antigen Description | This gene encodes a receptor for the anterior pituitary hormone, prolactin, and belongs to the type I cytokine receptor family. Prolactin-dependent signaling occurs as the result of ligand-induced dimerization of the prolactin receptor. Several alternatively spliced transcript variants encoding different membrane-bound and soluble isoforms have been described for this gene, which may function to modulate the endocrine and autocrine effects of prolactin in normal tissue and cancer. [provided by RefSeq, Feb 2011] |
| Specificity | Expressed in breast, placenta, kidney, liver and pancreas. |
| Purity | 70 - 90% by HPLC. |
| Conjugate | Unconjugated |
| Sequence Similarities | Belongs to the type I cytokine receptor family. Type 1 subfamily. Contains 2 fibronectin type-III domains. |
| Format | Liquid |
| Preservative | None |
| Storage | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request. |

GENE INFORMATION

| | |
|------------------------|---|
| Gene Name | PRLR prolactin receptor [Homo sapiens (human)] |
| Official Symbol | PRLR |
| Synonyms | PRLR; prolactin receptor; HPRL; MFAB; hPRLrI; PRL-R; hPRL receptor; secreted prolactin binding protein; |

| | |
|----------------------------|--|
| Entrez Gene ID | 5618 |
| mRNA Refseq | NM_000949.6 |
| Protein Refseq | NP_000940.1 |
| UniProt ID | P16471 |
| Chromosome Location | 5p13.2 |
| Pathway | Adipogenesis, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; ErbB4 signaling events, organism-specific biosystem; Growth hormone receptor signaling, organism-specific biosystem; Immune System, organism-specific biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosy |
| Function | metal ion binding; ornithine decarboxylase activator activity; peptide hormone binding; prolactin receptor activity; protein binding; protein homodimerization activity; |