



# Human PROP1 blocking peptide (CDBP2401)

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

## PRODUCT INFORMATION

|                            |  |
|----------------------------|--|
| <b>Product Overview</b>    | Blocking/Immunizing peptide for anti-PROP1 antibody  |
| <b>Antigen Description</b> | This gene encodes a paired-like homeodomain transcription factor in the developing pituitary gland. Expression occurs prior to and is required for expression of pou domain transcription factor 1, which is responsible for pituitary development and hormone expression. Mutations in this gene have been associated with combined pituitary hormone deficiency-2 as well as deficiencies in luteinizing hormone, follicle-stimulating hormone, growth hormone, prolactin, and thyroid-stimulating hormone. [provided by RefSeq, Sep 2011] |
| <b>Species</b>             | Human  |
| <b>Conjugate</b>           | Unconjugated   |
| <b>Applications</b>        | Apuri, BL, ELISA   |
| <b>Format</b>              | Lyophilized powder   |
| <b>Size</b>                | 100 µg   |
| <b>Preservative</b>        | None   |
| <b>Storage</b>             | Shipped at ambient temperature, store at -20°C.  |

## GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | <a href="#">PROP1 PROP paired-like homeobox 1 [ Homo sapiens ]</a>  |
| <b>Official Symbol</b> | PROP1   |
| <b>Synonyms</b>        | PROP1; PROP paired-like homeobox 1; prophet of Pit1, paired like homeodomain transcription factor; homeobox protein prophet of Pit-1; pituitary-specific homeodomain factor; prophet of |



Pit1, paired-like homeodomain transcription factor; CPHD2; PROP-1;

|                            |   |
|----------------------------|---|
| <b>Entrez Gene ID</b>      | <a href="#">5626</a>  |
| <b>mRNA Refseq</b>         | <a href="#">NM_006261</a>   |
| <b>Protein Refseq</b>      | <a href="#">NP_006252</a>   |
| <b>UniProt ID</b>          | O75360  |
| <b>Chromosome Location</b> | 5q35.3  |
| <b>Function</b>            | beta-catenin binding; chromatin binding; protein C-terminus binding; transcription regulatory region sequence-specific DNA binding; |