Datasheet for ABIN2729760

# PROP1 Protein (Myc-DYKDDDDK Tag)

1 Image | 1 Publication

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## Overview

| | |
|---|---|
| Quantity: | 20 µg |
| Target: | PROP1 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This PROP1 protein is labelled with Myc-DYKDDDDK Tag. |
| Application: | Antibody Production (AbP), Standard (STD) |

## Product Details

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|---|---|
| Characteristics: | • Recombinant human PROP1 protein expressed in HEK293 cells.<br>• Produced with end-sequenced ORF clone |
| Purity: | > 80 % as determined by SDS-PAGE and Coomassie blue staining |

## Target Details

| | |
|---|---|
| Target: | PROP1 |
| Alternative Name: | Prop1 (PROP1 Products) |
| Background: | 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, |

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## Target Details

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|---|---|
| | and thyroid-stimulating hormone. |
| Molecular Weight: | 24.8 kDa |
| NCBI Accession: | NP_006252 |

## Application Details

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|---|---|
| Application Notes: | Recombinant human proteins can be used for:<br>Native antigens for optimized antibody production<br>Positive controls in ELISA and other antibody assays |
| Comment: | The tag is located at the C-terminal. |
| Restrictions: | For Research Use only |

## Handling

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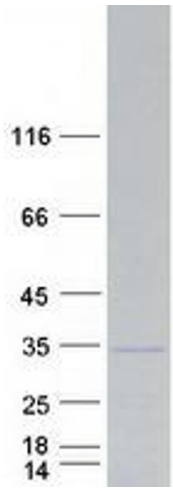
|---|---|
| Concentration: | 50 µg/mL |
| Buffer: | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol. |
| Storage: | -80 °C |
| Storage Comment: | Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended. |

## Publications

| | |
|---|---|
| Product cited in: | Zhu, Sun: "Loss of PRRX1 induces epithelial-mesenchymal transition and cancer stem cell-like properties in A549 cells." in: **American journal of translational research**, Vol. 9, Issue 4, pp. 1641-1650, (2017) (PubMed).<br><br>Guo, Fu, Wei, Lu, Feng, Zhang: "PRRX1 promotes epithelial-mesenchymal transition through the Wnt/?-catenin pathway in gastric cancer." in: **Medical oncology (Northwood, London, England)**, Vol. 32, Issue 1, pp. 393, (2014) (PubMed). |




**Western Blotting**

**Image 1.** Validation with Western Blot

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