

Recombinant Full Length Human PROP1 Protein, C-Flag-tagged

Cat. No. PROP1-510HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PROP1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	24.8 kDa
AA Sequence	MEAERRRQAEKPKKGRVGSSLLPERHPATGTPTTTVDSSAPPCRRLPGAGGGRSR FSPQGGQRGRPHSRR RHRTTFSPVQLEQLESAFGRNQYPDIWARESLARDTGLSE ARIQVWFQNRRAKQRKQERSLLQPLAHLSP AAFSSFLPESTACPYSYAAPPPPVTC FPHPYSHALPSQPSTGGAFALSHQSEDWYPTLHPAPAGHLPCPP PPPMPLPLSLEPSKSWNTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transcription Factors
Full Length	Full L.

GENE INFORMATION

Gene Name	PROP1 PROP paired-like homeobox 1 [Homo sapiens (human)]
Official Symbol	PROP1
Synonyms	CPHD2; PROP-1
Gene ID	5626
mRNA Refseq	NM_006261.5
Protein Refseq	NP_006252.4
MIM	601538

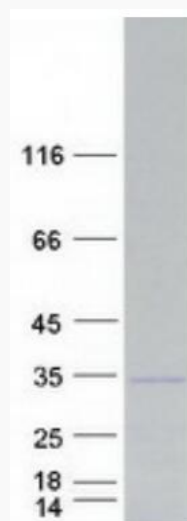
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UniProt ID

O75360



Coomassie blue staining of purified PROP1 protein.

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