

Product datasheet for **TP318746**

PROP1 (NM_006261) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human PROP paired-like homeobox 1 (PROP1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218746 protein sequence Red =Cloning site Green =Tags(s)
	 MEAERRRQA EKPKKGRVGSLLPERHPATGTPPTTV DSSAPPCRRLPGAGGGRSRFSPQGGQRGRPHSRR RHRTTFSPVQLEQLSAFGRNQYPDIWARESLARDTGLSEARIQVWFQNRRAKQRKQERSLLQPLAHLSP AAFSSFLPESTACPYSYAAPPPVTCFHPYSHALPSQPSTGGAFALSHQSEDWYPTLHPAPAGHLPCPP PPPMLPLSLEPSKSWN TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	24.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_006252
Locus ID:	5626
UniProt ID:	O75360 , A0A0G2JQ02



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RefSeq Size: 1464

Cytogenetics: 5q35.3

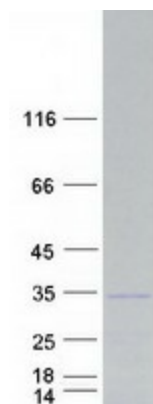
RefSeq ORF: 678

Synonyms: CPHD2; PROP-1

Summary: 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]

Protein Families: Druggable Genome, Transcription Factors

Product images:



Coomassie blue staining of purified PROP1 protein (Cat# TP318746). The protein was produced from HEK293T cells transfected with PROP1 cDNA clone (Cat# [RC218746]) using MegaTran 2.0 (Cat# [TT210002]).