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Product datasheet for PH318746

PROP1 (NM_006261) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PROP1 MS Standard C13 and N15-labeled recombinant protein (NP_006252)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218746
Predicted MW:	25 kDa
Protein Sequence:	>RC218746 protein sequence Red=Cloning site Green=Tags(s) MEAERRRQAEKPKKGRVGSSLLPERHPATGTPTTTVDSSAPPCRRLPGAGGGRSRFSPQGGQRGRPHSRR RHRTTFSPVQLEQLESAFGRNQYPDIWARESLARDTGLSEARIQVWFQNRRAKQRKQERSLLQPLAHLSP AAFSSFLPESTACPYSYAAPPPPVTCFPHPYSHALPSQPSTGGAFALSHQSEDWYPTLHPAPAGHLPCPP PPPMLPLSLEPSKSWN TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_006252
RefSeq Size:	1464
RefSeq ORF:	678
Synonyms:	CPHD2; PROP-1
Locus ID:	5626
UniProt ID:	O75360, A0A0G2JQ02

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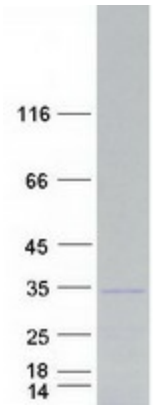
Cytogenetics: 5q35.3

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]).