

NPDC-1 Protein, Human (HEK293, His)

Cat. No.:	HY-P71168
Synonyms:	Neural proliferation differentiation and control protein 1; NPDC-1; NPDC1; RP11-229P13.1; CAB; CAB-1; CAB1
Species:	Human
Source:	HEK293
Accession:	Q9NQX5 (G35-D181)
Gene ID:	56654
Molecular Weight:	28-35 kDa

PROPERTIES

AA Sequence	<p>G H P D V A A C P G S L D C A L K R R A R C P P G A H A C G P C L Q P F Q E D Q</p> <p>Q G L C V P R M R R P P G G G R P Q P R L E D E I D F L A Q E L A R K E S G H S</p> <p>T P P L P K D R Q R L P E P A T L G F S A R G Q G L E L G L P S T P G T P T P T</p> <p>P H T S L G S P V S S D P V H M S P L E P R G G Q G D</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>The NPDC-1 protein exerts a critical role in impeding oncogenic transformation in both neural and non-neural cells while concurrently suppressing neural cell proliferation. Its potential involvement in transcriptional regulation further underscores its multifaceted impact. The nuanced function of NPDC-1 highlights its significance as a regulator, particularly in the context of mitigating oncogenic processes and modulating cellular proliferation, with implications for both neural and non-neural cell systems.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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