

NBL1 Protein, Human (HEK293, His)

Cat. No.:	HY-P74736
Synonyms:	Neuroblastoma suppressor of tumorigenicity 1; Protein N03; NBL1; DAN; DAND1
Species:	Human
Source:	HEK293
Accession:	P41271 (A17-D181)
Gene ID:	100532736/4681
Molecular Weight:	Approximately 25 kDa

PROPERTIES

AA Sequence	<pre> A A P P P I N K L A L F P D K S A W C E A K N I T Q I V G H S G C E A K S I Q N R A C L G Q C F S Y S V P N T F P Q S T E S L V H C D S C M P A Q S M W E I V T L E C P G H E E V P R V D K L V E K I L H C S C Q A C G K E P S H E G L S V Y V Q G E D G P G S Q P G T H P H P H P H P H P G G Q T P E P E D P P G A P H T E E E G A E D </pre>
Biological Activity	Measured by its ability to inhibit BMP-4-induced activity in MC3T3ØE1 mouse preosteoblast cells. The ED ₅₀ for this effect is 0.3530 µg/mL in the presence of 50 ng/mL of rhBMP-4, corresponding to a specific activity is 2.833×10 ³ U/mg.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
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.
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	NBL1 protein emerges as a potential tumor suppressor gene in neuroblastoma, suggesting its pivotal role in impeding cells from progressing into the critical G1/S stage of the transformation process. Notably, NBL1 functions as a homodimer, highlighting its involvement in regulatory mechanisms that govern cellular transformation and underscoring its potential contributions to the maintenance of normal cellular growth control.
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Caution: Product has not been fully validated for medical applications. For research use only.

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