

NOV/CCN3 Protein, Canine (HEK293, His)

Cat. No.:	HY-P76520
Synonyms:	Nephroblastoma Overexpressed Gene Protein; IBP-9; CCN3; IGFBP9; NOVH
Species:	Canine
Source:	HEK293
Accession:	J9P4N7 (Q29-M353)
Gene ID:	475083
Molecular Weight:	Approximately 42-50 due to the glycosylation

PROPERTIES

AA Sequence	<p> Q R C P T Q C P A R C A P T P P A C A P G V R A V L D D C S C C L V C A R Q R G E S C S P L Q P C E E S R G L F C D R R A D P S A G G G I C M A V E G D N C V F D G V I Y Q S G E T F Q P S C K Y Q C A C R D G Q I G C V P R C G E D L L L P Q P D C P A P R K V E V P G E C C E K W I C D S N E K G E L G G L A L P A Y R T E A T L G V A V S D S G I N C I E Q T T E W S A C S K S C G M G F S T R V T N R N P Q C E M V K Q T R L C M V R P C E Q E H Q Q P A D K K G K K C L R T T K S L K A I H L Q F K N C T S L H T Y K P R F C G V C S D G R C C T P H N T K T I Q V E F Q C S P G Q I I K K P V M V I G T C T C H S N C P H N R E A F L Q E L K P N T S R G E M </p>
Biological Activity	Measured by its ability to mediate Balb/3T3 mouse embryonic fibroblast cell adhesion, rhNOV, immobilized at 10 µg/mL, will induce 62.85% adhesion on Balbc/3T3 cells (100 µL/well at 3 x 10 ⁴ cells/mL).
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
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

NOV/CCN3 Protein belongs to an emerging family of growth regulators referred under the CCN acronym. The CCN family now comprises six identified members with properties of both positive and negative regulators of cell growth, sharing a common multimodular organization. NOV/CCN3 Protein enables heparin and binding. NOV/CCN3 Protein is involved in cell adhesion and signal transduction^{[1][2][3]}.

Caution: Product has not been fully validated for medical applications. For research use only.

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