

Recombinant Human Nephroblastoma Overexpressed Gene

Cat. No. NOV-1671H Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Mammalian Cells
Description	Nephroblastoma overexpressed gene, also known as NOV is a member of the CCN (connective tissue growth factor [CTGF]) family of proteins. These proteins are cysteine-rich and are noted for having growth-regulatory functions. NOV is highly expressed in the nervous system. NOV is a specific cell fate regulator in the myogenic lineage, acting negatively on key myogenic genes thus controlling the transition from progenitor cells to myoblasts. NOV also supports endothelial cell adhesion and angiogenesis through interactions with integrins.
Molecular Weight	The predicted molecular weight of Recombinant Human NOV is 37.1 kDa. However, the actual molecular weight as observed by migration on SDS Page is 55 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/g as determined by the LAL method.
Storage	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to

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8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	NOV nephroblastoma overexpressed gene [Homo sapiens]
Synonyms	NOV; nephroblastoma overexpressed gene; CCN3; IGFBP9; Protein NOV homolog; NovH; Nephroblastoma overexpressed gene protein homolog; NOVH
Gene ID	4856
mRNA Refseq	NM_002514
Protein Refseq	NP_002505
MIM	164958
UniProt ID	P48745
Chromosome Location	8q24.12
Function	growth factor activity; insulin-like growth factor binding

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