

# Recombinant Human Nephroblastoma Overexpressed Gene

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

## SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	<p>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.</p>
<b>Molecular Weight</b>	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.
<b>State Of Matter</b>	Lyophilized.
<b>Purity</b>	>95% by SDS Page and analyzed by silver stain.
<b>Endotoxin</b>	<1.0 EU/g as determined by the LAL method.
<b>Storage</b>	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 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid

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Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

## GENE INFORMATION

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

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