

PRODUCT INFORMATION SUMMARY

Human NOV (Nephroblastoma Overexpressed gene)

Purified Factor	Product Number	HC50090B	20.0 ug
		HC50090A	5.0 ug

DESCRIPTION:

Human Nephroblastoma Overexpressed gene (NOV) is a regulatory protein involved in cell adhesion and migration, and is associated with most nephroblastomas and Wilm's tumor. In other tumor types and cell lines, decreased NOV expression is associated with tumorigenicity. NOV signals through specific cell surface integrins and heparin sulfate binding. The active form of human NOV has four distinct structural domains (von Willebrand factor; C-terminal cysteine; Thrombospondin type-I; and IGF binding protein domain) and is composed of 331 aa. with Molecular weight of 36.2 kDa.

SOURCE:

E. Coli
Purity > 95% by HPLC analysis
Endotoxin < 0.1 ng per ug NOV
Sterile filtered and lyophilized from 10mM Citrate buffer (pH 3.0).
Additive-free.

BIOLOGICAL ACTIVITY:

Fully biologically active when compared to standards, activity determined by cell proliferation activity in BALB/c 3T3 cells. ED₅₀ range of 1.0 - 2.0 ug/mL.

HANDLING AND STORAGE:

Purified NOV factor is provided lyophilized with no additives. Store lyophilized, at -20° C. Upon reconstitution with 100 uL distilled (or sterile) water, further dilute in PBS or other buffered solutions. Store small aliquots with carrier protein at -20° C for long-term storage (up to three months), at high concentration.

Before opening vial, it is recommended to microcentrifuge vial for 30 seconds to spin-down any lyophilized material that may adhere to top of vial. The small amounts of protein may adhere to the vial as a very thin coat of lyophilized material, and may be difficult to see as a pellet.

RESEARCH USE ONLY -NOT for DRUG USE