



CMV-p53 Adenovirus

Cat. No.

000024A

Quantity

250µl

Titer1x10⁸pfu/mL**Accession Number**

P04637

Vector pAdeno**Promoter** CMV**Insert** CMV-p53**Organism** Human**Accession #** P04637**Alias** Tp53**Protein Type** tumor protein p53, Cell Cycle Regulator**Protein Family** P53 Family**Functions**

p53 acts as a tumor suppressor in many tumor types which induces growth arrest or apoptosis depending on the physiological circumstances and cell type. This protein involved in cell cycle regulation as a trans-activator that acts to negatively regulate cell division by controlling a set of genes required for this process. p53 is one of the activated genes is an inhibitor of cyclin-dependent kinases. Apoptosis induction seems to be mediated either by stimulation of BAX and Fas antigen expression or by repression of Bcl2 expression.

Cell Types

Widely expressed

Protein Location

Cytoplasm. Nucleus. Endoplasmic reticulum. Note=Interaction with BANP

Chromosome

17p13.1

Protein Structure

p53 contains 393 amino acids and has an approximate molecular weight of 43653 Da. This protein has a core domain, which contains the sequence specific of DNA binding proteins, a loop-sheet-helix motif and a C terminal tetramerization domain.

Gene Type

Wild Type

Titer1x10⁸pfu/mL**Storage**

DMEM with 2.5% glycerol