

# SEVEN HILLS BIOREAGENTS

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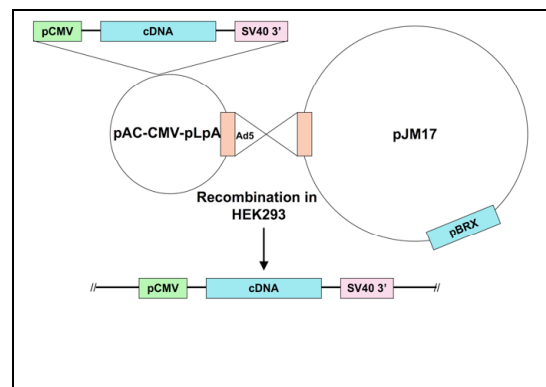
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## Ad5-CMV-Cyclophilin D R96 mutant

Catalog number: JMAAd-89  
Quantity: 0.5 ml

Gene: Cyclophilin D R96 mutant

Vector Construction: Prolyl isomerase deficient mutant of mouse cyclophilin D was cloned into the multiple cloning site of pAC-CMV-pLpA. The resulting plasmid was cotransfected into HEK293 cells with plasmid pJM17 which contains the Ad5 genome. Homologous recombination between the two plasmids resulted in the replacement of the Ad5 early region 1 with the mouse cDNA expression cassette, generating a replication deficient recombinant virus.



Epitope tag: None  
QC testing: Western Blot  
Titer: Approx 1E8/ml  
Supplied As: Crude HEK293 cell lysate.  
Storage: Store at -80°C. Multiple freeze/thaw cycles not recommended.  
Price: \$450

### References:

Baines CP, Kaiser RA, Purcell NH, Blair NS, Osinska H, Hambleton MA, Brunskill EW, Sayen MR, Gottlieb RA, Dorn GW, Robbins J, and Molkentin JD. Loss of cyclophilin D reveals a critical role for mitochondrial permeability transition in cell death. **Nature** 434:658-662 2005.

Recombinant adenovirus was generated as described in Gomez-Foix, AM, et al., *J. Biol. Chem.* (1992) 267:25129-25134.

For research purposes only; **not approved for diagnostic purposes or use in humans.**