

SEVEN HILLS BIOREAGENTS

3333 BURNET AVE
CINCINNATI, OH 45229

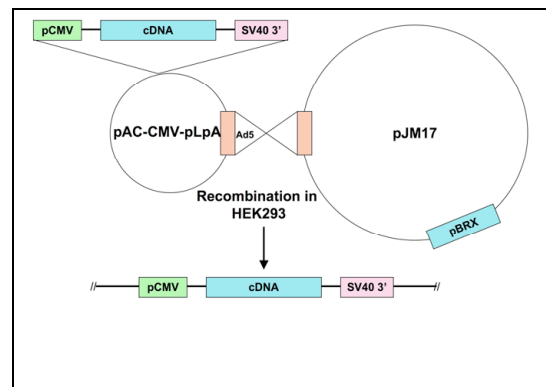
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Ad5-CMV-cMyBPC^{Phos-mutant}

Catalog number: JRAd-110
Quantity: 0.5 ml

Gene: cMyBP-C^{Phos-mutant}

Vector Construction: Wild-type cMyBP-C cDNA was subjected to site directed mutagenesis in which the PKA/CaMKII/PKC sites (Ser-273, -282 and -302) were mutated to Alanine (cMyBP-C^{Phos-mutant}) to **mimic constitutive dephosphorylation (phospho-ablation)**. cMyBP-C^{Phos-mutant} cDNA 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: A myc-tag EQKLISEEDL is placed after the initiator Met (first ATG) codon

QC testing: Western Blot – refer next page

Titer: Approx 1E8/ml

Supplied As: Crude HEK293 cell lysate.

Storage: Store at -80°C. Multiple freeze/thaw cycles not recommended.

Price: \$450

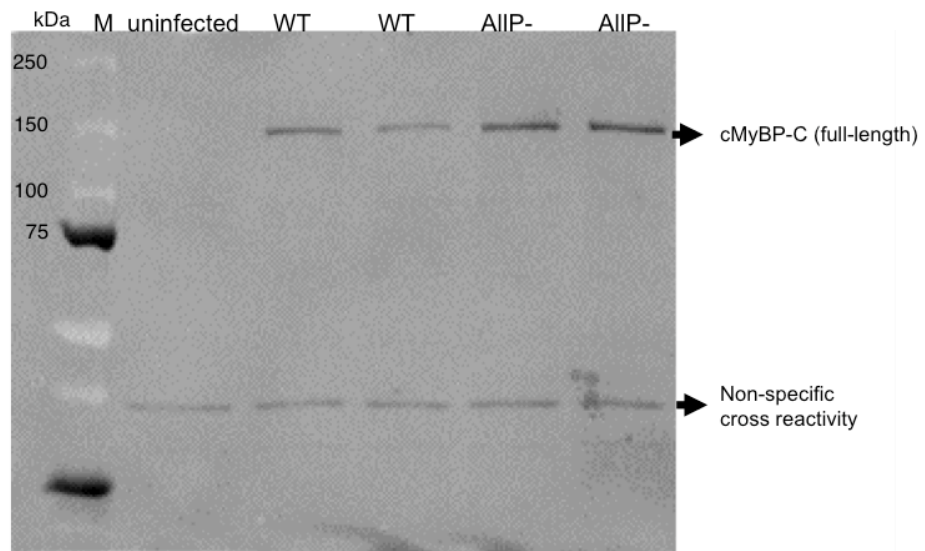
References:

Cardiac myosin-binding protein-C phosphorylation and cardiac function.
Circ Res. 2005 Nov 25;97(11):1156-63.

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.**

Western blot with cMyc antibodies using Adeno-infected neonatal cardiomyocytes



Marker: BioRad (Cat. # 161-0374)

Western blot analysis with Myc tag monoclonal antibodies (Roche) using cardiomyocytes lysates (5 μ g)