

Adenoviruses

Adenoviruses (AdVs) are non-enveloped icosahedral viruses containing a double-stranded DNA genome of approximately 26-48 kbp. The icosahedral capsid is composed of 240 hexons and 12 pentons.

Although adenoviruses generally do not cause severe disease in humans, they can lead to severe infections in immunocompromised patients. In humans, there are currently 88 human adenoviruses (HAdVs) classified into seven types (Human adenovirus A to G). Different types or serotypes are associated with respiratory disease, conjunctivitis, gastroenteritis and obesity.

The adenovirus virion capsid surrounds the viral core and is composed of major (Penton, Hexon, Fiber) and minor capsid proteins. The **Adenovirus Protease (AVP)** cleaves viral precursor proteins inside newly assembled particles giving rise to mature virions.

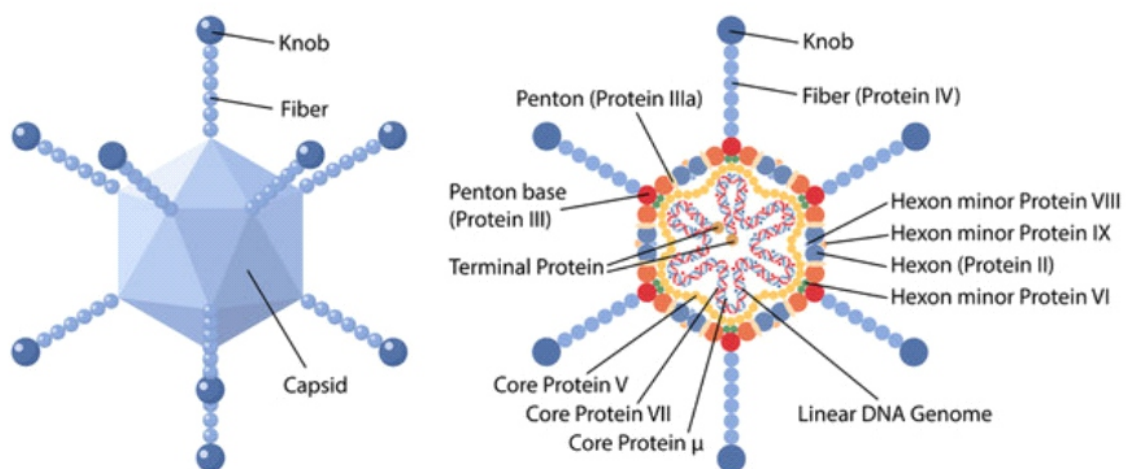


Fig 1. Adenovirus Structure: Capsid, core proteins, and linear DNA genome for host entry

Protein	
Catalog No.	Product Name
Vk466042	Recombinant HAdV-2 E1B-19K Protein, N-GST & C-His
VK466052	Recombinant HAdV-41 E1B-19K Protein, N-His
VK466062	Recombinant HAdV-41 E1B-55K Protein, N-His
VK550012	Recombinant HAdV-5 Protease/L3 Protein, C-His
VK550022	Recombinant HAdV-4 Protease/L3 Protein, C-His
VK550032	Recombinant HAdV-3 Protease/L3 Protein, C-His
VK476011	Recombinant HAdV-5 Penton protein/L2 Protein, C-Strep
VK734012	Recombinant HAdV-7 Shutoff protein/L4 Protein, C-His
VK429012	Recombinant HAdV-3 Packaging protein 3/L1 Protein, C-His
VK540022	Recombinant HAdV-3 L3/CP-H/Protein II Protein, N-His
VK540012	Recombinant HAdV-5 L3/CP-H/Protein II Protein, N-His
VK733012	Recombinant HAdV-41 L3/CP-H/Protein II Protein, N-His
Vk466022	Recombinant HAdV-5 E1B-55K/E1B-495R Protein, N-GST & C-His
Polyclonal Antibody	
Catalog No.	Product Name
Vk466024	Anti-HAdV-5 E1B-55K Polyclonal Antibody
VK466054	Anti-HAdV-41 E1B-19K Polyclonal Antibody
VK466064	Anti-HAdV-41 E1B-55K Polyclonal Antibody
VK550014	Anti-HAdV-5 Protease/L3 Polyclonal Antibody
VK550024	Anti-HAdV-4 Protease/L3 Polyclonal Antibody
VK550034	Anti-HAdV-3 Protease/L3 Polyclonal Antibody
VK734014	Anti-HAdV-7 Shutoff protein/L4 Polyclonal Antibody
VK429014	Anti-HAdV-3 Packaging protein 3/L1 Polyclonal Antibody
VK764014	Anti-HAdV-5 Fiber protein/L5 Polyclonal Antibody
VK540014	Anti-HAdV-5 L3/CP-H/Protein II Polyclonal Antibody
VK733014	Anti-HAdV-4 L3/CP-H/Protein II Polyclonal Antibody
VK540024	Anti-HAdV-3 L3/CP-H/Protein II Polyclonal Antibody
Vk466014	Anti-HAdV-5 E1B-55K/E1B-495R Polyclonal Antibody
Monoclonal Antibody	
Catalog No.	Product Name
Vk540013	Anti-Adenovirus 5 Hexon Protein (5LDN)

All products are for research use only



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