

## Product Datasheet

# Adenovirus (ADV) HEXON (His Tag) Protein (Control) (orb1921798)

<b>Catalog Number</b>	orb1921798
<b>Category</b>	Proteins
<b>Description</b>	<p>Adenoviruses (AdVs) are non-enveloped icosahedral viruses with a double-stranded DNA genome. Hexon is one of the three major structural proteins of the adenovirus capsid, whose hypervariable regions exhibit the sequence variability among adenovirus serotypes. Hexon is the most abundant structural proteins, with 240 copies of the trimeric molecule in the capsid, accounting for approximately 60% of the total protein mass. Hexon is a large polypeptide, more than 900 amino acids long in all known adenovirus types. The monomer folds as two eight-stranded <math>\beta</math> barrels, or jellyroll domains, held apart by a small <math>\beta</math>-sheet. The double jelly rolls form the pseudo-hexagonal base of the trimeric hexon capsomer. Long loops intercalated between the <math>\beta</math>-strands form the hexon towers, and contain the hyper variable regions (HVRs). The N-termini and C-termini adopt different conformations depending on their location in the capsid, to establish interactions between hexons and minor coat proteins IIIa and VIII. The architecture of hexon is highly conserved throughout the Adenoviridae family. The main differences reside in the HVRs, which present a varying degree of flexibility in the different virus types.</p>
<b>Form/Appearance</b>	Purified,Liquid
<b>Buffer/Preservatives</b>	PBS, pH 7.4
<b>Purity</b>	>95% pure (SDS-PAGE)
<b>Purification</b>	Protein A Chromatography
<b>MW</b>	110.39 kDa
<b>Tested applications</b>	CLIA

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<b>Expression System</b>	Mammalian cell
<b>Matched Pairs</b>	Control: orb1921798; Capture: orb1921797; Detection: orb1921796; Control: orb1921798; Capture: orb3054755; Detection: orb1921796;
<b>Source</b>	Human adenovirus C serotype2
<b>Sample Types</b>	Test sample type: Nasopharyngeal swab /Oropharyngeal swab / Nasal swab / Serum / Plasma / Whhole Blood / Stool. Test sample source: Human
<b>Storage</b>	For long term storage, the product should be stored at -20°C or lower.
<b>Note</b>	For research use only
<b>Expiration Date</b>	6 months from date of receipt.

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