

HAdV-E fiber Protein (sf9, His)

Cat. No.:	HY-P76391
Synonyms:	Human mastadenovirus E (HAdV-E) fiber Protein (His)
Species:	Virus
Source:	Sf9 insect cells
Accession:	YP_068048 (M1-Q425)
Gene ID:	2958476
Molecular Weight:	Approximately 46.56 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PBS, pH 7.5, 300 mM NaCl, 10% Glycerol. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The more than 89 currently recognized human adenovirus (HAdV) genotypes are categorized into seven species designated Human mastadenovirus A to G (HAdV-A to HAdV-G) based on their genetic characteristics. The genus-specific epitopes on the major antigen hexon are often used for immunological routine diagnosis of adenoviruses. The components of the outer virus capsid hexon and penton are further possessed of the epitopes of neutralizing antibodies. The fiber, which contains a shaft with mainly genus-specific epitopes and a knob with mainly species-specific epitopes, should be suitable for the genus-specific but also for the species-specific immunological diagnosis as already used for serotyping of adenoviruses by hemagglutination inhibition assay based on fiber determinants ^{[1][2]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

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