

## Alpha-Fetoprotein Protein, Canine (HEK293, His)

Cat. No.:	HY-P700651
Synonyms:	rHuAlpha-Fetoprotein, His; AFP; Alpha-Fetoprotein
Species:	Canine
Source:	HEK293
Accession:	Q8MJU5 (R19-V609)
Gene ID:	403551
Molecular Weight:	68-70 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 $\mu$ m filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> 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 Alpha-Fetoprotein Protein exhibits diverse binding capabilities, including the ability to bind copper, nickel, and fatty acids. Notably, it demonstrates affinity for bilirubin, although less efficiently than serum albumin. The protein exists in various forms, with dimeric and trimeric structures identified in addition to the monomeric form. These structural variations likely contribute to the functional versatility of Alpha-Fetoprotein, suggesting a complex interplay in its molecular interactions with different ligands and emphasizing its significance in various physiological processes.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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