

## PRODUCT INFORMATION

<b>Target</b>	AFP
<b>Synonyms</b>	Alpha-fetoprotein
<b>Description</b>	Recombinant mouse AFP protein with C-terminal 6×His tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P02772
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-6×His Tag
<b>Molecular Characterization</b>	Mouse AFP(Leu21-Val605) 6×His tag
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 66.0 kDa after removal of the signal peptide. The apparent molecular mass of mAFP-His is approximately 55-70 kDa due to glycosylation.
<b>Purity</b>	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<b>Storage &amp; Shipping</b>	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
<b>Background</b>	Predicted to enable fatty acid binding activity and zinc ion binding activity. Acts upstream of or within SMAD protein signal transduction; ovulation from ovarian follicle; and progesterone metabolic process. Located in cytoplasm and extracellular space. Is expressed in several structures, including amniotic fluid; egg cylinder; gut; liver and biliary system; and metanephros. Human ortholog(s) of this gene implicated in hepatitis C. Orthologous to human AFP (alpha fetoprotein). [provided by Alliance of Genome Resources, Apr 2022]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated





Figure 1. Mouse AFP Protein, His Tag on SDS-PAGE under reducing condition.

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