

## PRODUCT INFORMATION

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|---|---|
| <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  |



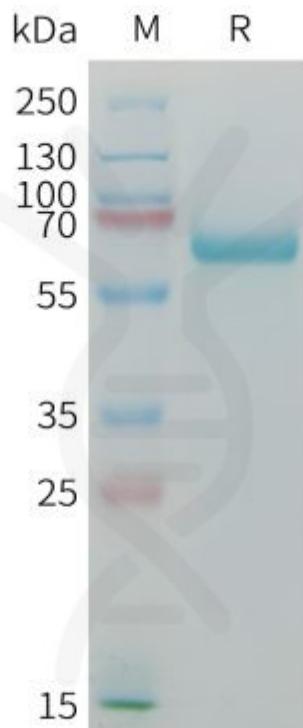


Figure 1. Mouse AFP Protein, His Tag on SDS-PAGE under reducing condition.

