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## Recombinant human AFP protein, C-His (HEK293)

Catalog Number: bs-43140P

Concentration: >0.5mg/ml

AA Seq: 19-609/609

Predicted MW: 67.6

Tags: C-His

Activity: Not tested

Endotoxin: Not analyzed

Purity: > 90% as determined by SDS PAGE

Purification: AC

Storage: Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

**Background:** Alpha 1 Fetoprotein is a major plasma protein produced by the yolk sac and the liver during fetal life. Alpha fetoprotein expression in adults is often associated with hepatoma or teratoma. However, hereditary persistence of alpha-fetoprotein may also be found in individuals with no obvious pathology. The protein is thought to be the fetal counterpart of serum albumin, and the alpha fetoprotein and albumin genes are present in tandem in the same transcriptional orientation on chromosome 4. Alpha fetoprotein is found in monomeric as well as dimeric and trimeric forms, and binds copper, nickel, fatty acids and bilirubin. The level of alpha fetoprotein in amniotic fluid is used to measure renal loss of protein to screen for spina bifida and anencephaly. Expression has been documented in human adrenal, liver, ovary, testis, and pancreas. ESTs have been isolated from normal human brain, liver/spleen, embryo and uterus tissue libraries.

### VALIDATION IMAGES

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The purity of the protein is greater than 90% as determined by reducing SDS-PAGE.

### PRODUCT SPECIFIC PUBLICATIONS

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**Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**[IF=8.008]** Yuqi Xu. et al. Surface Defect-Involved and Single-Color Electrochemiluminescence of Gold Nanoclusters for Immunoassay. ANAL CHEM. 2022;94(35):12070–12077 Other ; Other . 35994734

**[IF=8.008]** Li Fu. et al. Coreactant-free and Near-Infrared Electrochemiluminescence Immunoassay with n-Type Au Nanocrystals as Luminophores. ANAL CHEM. 2022;94(34):11934–11939 Other ; Other . 35976331

**[IF=8.008]** Xuwen Gao. et al. Luminophore-Surface-Engineering-Enabled Low-Triggering-Potential and Coreactant-Free Electrochemiluminescence for Protein Determination. ANAL CHEM. 2023;95(17):6948–6954 Other ; . 37083347

**[IF=8.3]** Fan Xia. et al. Coordination-Driven Templated Synthesis of Hierarchically Porous Zeolitic Imidazolate Frameworks for Cascade Enzyme Cycle Amplification Coupled Immunoassay. ACS APPL MATER INTER. 2024;XXXX(XXX):XXX-XXX Other ; . 39042822

**[IF=7.4]** Shuxin Zhang. et al. Fully Integrated Ratiometric Fluorescence Enrichment Platform for High-Sensitivity POC Testing of Salivary Cancer Biomarkers. ANAL CHEM. 2023;XXXX(XXX):XXX-XXX Other ; . 38079568